

# Datasheet **Durethan BKV40H3.0 000000**

PA 6, 40% glass fibers, injection molding, heat-aging stabilized

ISO Shortname: ISO 16396-PA 6,GF40,GHR,S14-120

Rheological properties         Molding shrinkage, parallel         150x105x3; 280 °C / MT 80 °C; 400 bar         acc. ISO 294-4 0.16         0.16           Molding shrinkage, transverse         150x105x3; 280 °C / MT 80 °C; 400 bar         acc. ISO 294-4 0.03         0.05           Post-shrinkage, parallel         150x105x3; 120 °C; 4 h % acc. ISO 294-4 0.07         0.03           Post-shrinkage, transverse         150x105x3; 120 °C; 4 h % acc. ISO 294-4 0.07           Mechanical properties (23 °C/50 % r. h.)         V           CTensile modulus         1 mm/min MPa ISO 527-1,-2 12300 7800           CTensile Stress at break         5 mm/min MPa ISO 527-1,-2 205 130           CTensile Strain at break         5 mm/min MPa ISO 527-1,-2 3.0 5.0           CCharpy impact strength         23 °C kJ/m² ISO 179-1eU 90 95           CCharpy impact strength         -30 °C kJ/m² ISO 179-1eU 90 95           CCharpy notched impact strength         -30 °C kJ/m² ISO 179-1eA 18 24           CCharpy notched impact strength         -30 °C kJ/m² ISO 179-1eA 18 24           Izod notched impact strength         -30 °C kJ/m² ISO 180-1A 13 11           Izod notched impact strength         -30 °C kJ/m² ISO 180-1A 13 11           IElexural strength         -30 °C kJ/m² ISO 180-1A 13 11           Flexural strength         -30 °C kJ/m² ISO 180-1A 13 11           Izod notched impact strength         -30 °C k	Property	Test Condition	Unit	Standard	guide value <sup>1</sup>	
Molding shrinkage, transverse	Rheological properties					
Post-shrinkage, parallel   150x105x3; 120 °C; 4 h	Molding shrinkage, parallel		%	acc. ISO 294-4	0.16	
Post-shrinkage, transverse	Molding shrinkage, transverse		%	acc. ISO 294-4	0.85	
Mechanical properties (23 °C/50 % r. h.)         Imm/min         MPa         ISO 527-1,-2         12300         7800           C Tensile modulus         1 mm/min         MPa         ISO 527-1,-2         12300         7800           C Tensile Stress at break         5 mm/min         MPa         ISO 527-1,-2         205         130           C Tensile Strain at break         5 mm/min         %         ISO 179-1eU         90         95           C Charpy impact strength         23 °C         kJ/m²         ISO 179-1eU         75         75           C Charpy impact strength         23 °C         kJ/m²         ISO 179-1eA         18         24           C Charpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         18         24           C Charpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         18         24           Lod notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         18         24           Lod notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         18         24           Lod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Lod notched impact strength <td>Post- shrinkage, parallel</td> <td>150x105x3; 120 °C; 4 h</td> <td>%</td> <td>acc. ISO 294-4</td> <td>0.03</td> <td></td>	Post- shrinkage, parallel	150x105x3; 120 °C; 4 h	%	acc. ISO 294-4	0.03	
CTensile modulus         1 mm/min         MPa         ISO 527-1,-2         12300         7800           CTensile Stress at break         5 mm/min         MPa         ISO 527-1,-2         205         130           CTensile Strain at break         5 mm/min         %         ISO 527-1,-2         3.0         5.0           CCharpy impact strength         23 °C         kJ/m²         ISO 179-1eU         90         95           CCharpy impact strength         -30 °C         kJ/m²         ISO 179-1eU         75         75           CCharpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         18         24           CCharpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         13         11           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         -30 °	Post- shrinkage, transverse	150x105x3; 120 °C; 4 h	%	acc. ISO 294-4	0.07	
CTensile Stress at break         5 mm/min         MPa         ISO 527-1,-2         205         130           CTensile Strain at break         5 mm/min         %         ISO 527-1,-2         3.0         5.0           C Charpy impact strength         23 °C         kJ/m²         ISO 179-1eU         90         95           C Charpy impact strength         -30 °C         kJ/m²         ISO 179-1eU         75         75           C Charpy notched impact strength         23 °C         kJ/m²         ISO 179-1eA         18         24           C Charpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         18         24           C Charpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Flexural strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Flexural strength         -2 mm/min         MPa         ISO 178-A         11000         7300           Flexural strength         -2 mm/min	Mechanical properties (23 °C/50 % r. h.)					
CTensile Strain at break         5 mm/min         %         ISO 527-1,-2         3.0         5.0           CCharpy impact strength         23 °C         kJ/m²         ISO 179-1eU         90         95           C Charpy impact strength         -30 °C         kJ/m²         ISO 179-1eU         75         75           C Charpy notched impact strength         23 °C         kJ/m²         ISO 179-1eA         18         24           C Charpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         13         11           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           I Evarial strength         2 mm/min	C Tensile modulus	1 mm/min	MPa	ISO 527-1,-2	12300	7800
C Charpy impact strength         23 °C         kJ/m²         ISO 179-1eU         90         95           C Charpy impact strength         -30 °C         kJ/m²         ISO 179-1eU         75         75           C Charpy notched impact strength         23 °C         kJ/m²         ISO 179-1eA         18         24           C Charpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         13         11           Izod notched impact strength         23 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         -2 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         -2 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         -2 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength <td< td=""><td>C Tensile Stress at break</td><td>5 mm/min</td><td>MPa</td><td>ISO 527-1,-2</td><td>205</td><td>130</td></td<>	C Tensile Stress at break	5 mm/min	MPa	ISO 527-1,-2	205	130
C Charpy impact strength         -30 °C         kJ/m²         ISO 179-1eU         75         75           C Charpy notched impact strength         23 °C         kJ/m²         ISO 179-1eA         18         24           C Charpy notched impact strength         -30 °C         kJ/m²         ISO 179-1eA         13         11           Izod notched impact strength         23 °C         kJ/m²         ISO 180-1A         18         24           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         -30 °C         kJ/m²         ISO 180-1A         13         11           Izod notched impact strength         2 mm/min         MPa         ISO 178-A         11000         7300           Flexural strength         2 mm/min         MPa         ISO 178-A         4.0         5.0           Flexural strength         2 mm/min         MPa         ISO 178-A         4.0         5.0           Flexural strength         2 mm/min	C Tensile Strain at break	5 mm/min	%	ISO 527-1,-2	3.0	5.0
Charpy notched impact strength 23 °C kJ/m² ISO 179-1eA 18 24  C Charpy notched impact strength -30 °C kJ/m² ISO 179-1eA 13 11  Izod notched impact strength 23 °C kJ/m² ISO 180-1A 18 24  Izod notched impact strength -30 °C kJ/m² ISO 180-1A 18 24  Izod notched impact strength -30 °C kJ/m² ISO 180-1A 13 11  Flexural modulus 2 mm/min MPa ISO 178-A 11000 7300  Flexural strength 2 mm/min MPa ISO 178-A 325 205  Flexural strain at flexural strength 2 mm/min MPa ISO 178-A 325 205  Flexural strain at flexural strength 2 mm/min MPa ISO 178-A 4.0 5.0  Flexural stress at 3.5 % strain 2 mm/min MPa ISO 178-A 180  C Puncture energy 23 °C J ISO 6603-2 9  C Puncture energy -30 °C J ISO 6603-2 6  Ball indentation hardness N/mm² ISO 2039-1 250 125  Thermal properties  C Melting temperature 10 °C/min °C ISO 11357-1,-3 222  C Temperature of deflection under load 1.80 MPa °C ISO 75-1,-2 200  C Temperature of deflection under load 0.45 MPa °C ISO 75-1,-2 215  Vicat softening temperature 50 N; 120 °C/h °C ISO 306 > 200  C Coefficient of linear thermal expansion, parallel 23 to 55 °C 10 °/K ISO 11359-1,-2 0.2  C Coefficient of linear thermal expansion, transverse 23 to 55 °C 10 °/K ISO 11359-1,-2 0.8  C Burning behavior UL 94 I.5 mm Class UL 94 HB  C Oxygen index	C Charpy impact strength	23 °C	kJ/m²	ISO 179-1eU	90	95
C Charpy notched impact strength	C Charpy impact strength	-30 °C	kJ/m²	ISO 179-1eU	75	75
Izod notched impact strength   23 °C   kJ/m²   ISO 180-1A   18   24   Izod notched impact strength   -30 °C   kJ/m²   ISO 180-1A   13   11   Flexural modulus   2 mm/min   MPa   ISO 178-A   11000   7300   Flexural strength   2 mm/min   MPa   ISO 178-A   325   205   Flexural strength   2 mm/min   MPa   ISO 178-A   4.0   5.0   Flexural stress at 3.5 % strain   2 mm/min   MPa   ISO 178-A   4.0   5.0   Flexural stress at 3.5 % strain   2 mm/min   MPa   ISO 178-A   180   C Puncture energy   23 °C   J   ISO 6603-2   9   C Puncture energy   -30 °C   J   ISO 6603-2   6   Ball indentation hardness   N/mm²   ISO 2039-1   250   125   Thermal properties   Thermal properties   Thermal properties   Thermal properties   Thermal properties   Thermal end   1.80 MPa   °C   ISO 11357-1,-3   222   C Temperature of deflection under load   1.80 MPa   °C   ISO 75-1,-2   200   C Temperature of deflection under load   0.45 MPa   °C   ISO 75-1,-2   215   Vicat softening temperature   50 N; 120 °C/h   °C   ISO 306   > 200   C C Coefficient of linear thermal expansion, parallel   23 to 55 °C   10 °/K   ISO 11359-1,-2   0.2   C Coefficient of linear thermal expansion, transverse   23 to 55 °C   10 °/K   ISO 11359-1,-2   0.8   C Surning behavior UL 94   1.5 mm   C Icass   UL 94   HB   C Oxygen index   Method A %   ISO 4589-2   24   I	C Charpy notched impact strength	23 °C	kJ/m²	ISO 179-1eA	18	24
Izod notched impact strength   -30 °C   kJ/m²   ISO 180-1A   13   11	C Charpy notched impact strength	-30 °C	kJ/m²	ISO 179-1eA	13	11
Flexural modulus   2 mm/min   MPa   ISO 178-A   11000   7300	Izod notched impact strength	23 °C	kJ/m²	ISO 180-1A	18	24
Flexural strength	Izod notched impact strength	-30 °C	kJ/m²	ISO 180-1A	13	11
Flexural strain at flexural strength   2 mm/min   %   ISO 178-A   4.0   5.0	Flexural modulus	2 mm/min	MPa	ISO 178-A	11000	7300
Flexural stress at 3.5 % strain         2 mm/min         MPa         ISO 178-A         180           C Puncture energy         23 °C         J         ISO 6603-2         9           C Puncture energy         -30 °C         J         ISO 6603-2         6           Ball indentation hardness         N/mm²         ISO 2039-1         250         125           Thermal properties           C Melting temperature         10 °C/min         °C         ISO 11357-1,-3         222           C Temperature of deflection under load         1.80 MPa         °C         ISO 75-1,-2         200           C Temperature of deflection under load         0.45 MPa         °C         ISO 75-1,-2         215           Vicat softening temperature         50 N; 120 °C/h         °C         ISO 306         > 200           C Coefficient of linear thermal expansion, parallel         23 to 55 °C         10 °I/K         ISO 11359-1,-2         0.2           C Coefficient of linear thermal expansion, transverse         23 to 55 °C         10 °I/K         ISO 11359-1,-2         0.8           C Burning behavior UL 94         1.5 mm         Class         UL 94         HB           C Oxygen index         Method A         %         ISO 4589-2         24	Flexural strength	2 mm/min	MPa	ISO 178-A	325	205
C Puncture energy         23 °C         J         ISO 6603-2         9           C Puncture energy         -30 °C         J         ISO 6603-2         6           Ball indentation hardness         N/mm²         ISO 2039-1         250         125           Thermal properties           C Melting temperature         10 °C/min         °C         ISO 11357-1,-3         222           C Temperature of deflection under load         1.80 MPa         °C         ISO 75-1,-2         200           C Temperature of deflection under load         0.45 MPa         °C         ISO 75-1,-2         215           Vicat softening temperature         50 N; 120 °C/h         °C         ISO 306         > 200           C Coefficient of linear thermal expansion, parallel         23 to 55 °C         10°4/K         ISO 11359-1,-2         0.2           C Coefficient of linear thermal expansion, transverse         23 to 55 °C         10°4/K         ISO 11359-1,-2         0.8           C Burning behavior UL 94         1.5 mm         Class         UL 94         HB           C Oxygen index         Method A         %         ISO 4589-2         24	Flexural strain at flexural strength	2 mm/min	%	ISO 178-A	4.0	5.0
C Puncture energy         -30 °C         J         ISO 6603-2         6           Ball indentation hardness         N/mm²         ISO 2039-1         250         125           Thermal properties           C Melting temperature         10 °C/min         °C         ISO 11357-1,-3         222           C Temperature of deflection under load         1.80 MPa         °C         ISO 75-1,-2         200           C Temperature of deflection under load         0.45 MPa         °C         ISO 75-1,-2         215           Vicat softening temperature         50 N; 120 °C/h         °C         ISO 306         > 200           C Coefficient of linear thermal expansion, parallel         23 to 55 °C         10°⁴/K         ISO 11359-1,-2         0.2           C Coefficient of linear thermal expansion, transverse         23 to 55 °C         10°⁴/K         ISO 11359-1,-2         0.8           C Burning behavior UL 94         1.5 mm         Class         UL 94         HB           C Oxygen index         Method A         %         ISO 4589-2         24	Flexural stress at 3.5 % strain	2 mm/min	MPa	ISO 178-A		180
Ball indentation hardness         N/mm²         ISO 2039-1         250         125           Thermal properties           C Melting temperature         10 °C/min         °C         ISO 11357-1,-3         222           C Temperature of deflection under load         1.80 MPa         °C         ISO 75-1,-2         200           C Temperature of deflection under load         0.45 MPa         °C         ISO 306         > 200           Vicat softening temperature         50 N; 120 °C/h         °C         ISO 306         > 200           C Coefficient of linear thermal expansion, parallel         23 to 55 °C         10 ⁴/K         ISO 11359-1,-2         0.2           C Coefficient of linear thermal expansion, transverse         23 to 55 °C         10 ⁴/K         ISO 11359-1,-2         0.8           C Burning behavior UL 94         1.5 mm         Class         UL 94         HB           C Oxygen index         Method A         %         ISO 4589-2         24	C Puncture energy	23 °C	J	ISO 6603-2	9	
Thermal properties           C Melting temperature         10 °C/min         °C         ISO 11357-1,-3         222           C Temperature of deflection under load         1.80 MPa         °C         ISO 75-1,-2         200           C Temperature of deflection under load         0.45 MPa         °C         ISO 75-1,-2         215           Vicat softening temperature         50 N; 120 °C/h         °C         ISO 306         > 200           C Coefficient of linear thermal expansion, parallel         23 to 55 °C         10 ⁴/K         ISO 11359-1,-2         0.2           C Coefficient of linear thermal expansion, transverse         23 to 55 °C         10 ⁴/K         ISO 11359-1,-2         0.8           C Burning behavior UL 94         1.5 mm         Class         UL 94         HB           C Oxygen index         Method A         %         ISO 4589-2         24	C Puncture energy	-30 °C	J	ISO 6603-2	6	
C Melting temperature 10 °C/min °C ISO 11357-1,-3 222  C Temperature of deflection under load 1.80 MPa °C ISO 75-1,-2 200  C Temperature of deflection under load 0.45 MPa °C ISO 75-1,-2 215  Vicat softening temperature 50 N; 120 °C/h °C ISO 306 > 200  C Coefficient of linear thermal expansion, parallel 23 to 55 °C 10 <sup>4</sup> /K ISO 11359-1,-2 0.2  C Coefficient of linear thermal expansion, transverse 23 to 55 °C 10 <sup>4</sup> /K ISO 11359-1,-2 0.8  C Burning behavior UL 94 1.5 mm Class UL 94 HB  C Oxygen index Method A % ISO 4589-2 24	Ball indentation hardness		N/mm²	ISO 2039-1	250	125
C Temperature of deflection under load  1.80 MPa  °C  ISO 75-1,-2  200  C Temperature of deflection under load  0.45 MPa  °C  ISO 75-1,-2  215  Vicat softening temperature  50 N; 120 °C/h  °C  ISO 306  > 200  C Coefficient of linear thermal expansion, parallel  23 to 55 °C  10 <sup>4</sup> /K  ISO 11359-1,-2  0.2  C Coefficient of linear thermal expansion, transverse  23 to 55 °C  10 <sup>4</sup> /K  ISO 11359-1,-2  0.8  C Burning behavior UL 94  1.5 mm  Class  UL 94  HB  C Oxygen index  Method A  %  ISO 4589-2  24	Thermal properties					
C Temperature of deflection under load  0.45 MPa  °C  ISO 75-1,-2  215  Vicat softening temperature  50 N; 120 °C/h  °C  ISO 306  > 200  C Coefficient of linear thermal expansion, parallel  23 to 55 °C  10 ⁴/K  ISO 11359-1,-2  0.2  C Coefficient of linear thermal expansion, transverse  23 to 55 °C  10 ⁴/K  ISO 11359-1,-2  0.8  C Burning behavior UL 94  1.5 mm  Class  UL 94  HB  C Oxygen index  Method A  %  ISO 4589-2  24	C Melting temperature	10 °C/min	°C	ISO 11357-1,-3	222	
Vicat softening temperature50 N; 120 °C/h°CISO 306> 200C Coefficient of linear thermal expansion, parallel23 to 55 °C $10^4$ /KISO 11359-1,-20.2C Coefficient of linear thermal expansion, transverse23 to 55 °C $10^4$ /KISO 11359-1,-20.8C Burning behavior UL 941.5 mmClassUL 94HBC Oxygen indexMethod A%ISO 4589-224	C Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	200	
C Coefficient of linear thermal expansion, parallel 23 to 55 °C 10 <sup>4</sup> /K ISO 11359-1,-2 0.2  C Coefficient of linear thermal expansion, transverse 23 to 55 °C 10 <sup>4</sup> /K ISO 11359-1,-2 0.8  C Burning behavior UL 94 1.5 mm Class UL 94 HB  C Oxygen index Method A % ISO 4589-2 24	C Temperature of deflection under load	0.45 MPa	°C	ISO 75-1,-2	215	
C Coefficient of linear thermal expansion, transverse 23 to 55 °C 10 4/K ISO 11359-1,-2 0.8  C Burning behavior UL 94 1.5 mm Class UL 94 HB  C Oxygen index Method A % ISO 4589-2 24	Vicat softening temperature	50 N; 120 °C/h	°C	ISO 306	> 200	
C Burning behavior UL 94         1.5 mm         Class         UL 94         HB           C Oxygen index         Method A         %         ISO 4589-2         24	C Coefficient of linear thermal expansion, parallel	23 to 55 °C	10 <sup>-4</sup> /K	ISO 11359-1,-2	0.2	
C Oxygen index Method A % ISO 4589-2 24	C Coefficient of linear thermal expansion, transverse	23 to 55 °C	10 <sup>-4</sup> /K	ISO 11359-1,-2	0.8	
	C Burning behavior UL 94	1.5 mm	Class	UL 94	НВ	
Glow wire test (GWFI) 2.0 mm °C IEC 60695-2-12 650	C Oxygen index	Method A	%	ISO 4589-2	24	
	Glow wire test (GWFI)	2.0 mm	°C	IEC 60695-2-12	650	



### **Datasheet**

### **Durethan BKV40H3.0 000000**

Property	Test Condition	Unit	Standard	guide value <sup>1</sup>	
Electrical properties (23 °C/50 % r. h.)					
C Relative permittivity	100 Hz	=	IEC 60250	4.0	15
C Relative permittivity	1 MHz	-	IEC 60250	4.0	5.0
C Dissipation factor	100 Hz	10-4	IEC 60250	70	2000
C Dissipation factor	1 MHz	10-4	IEC 60250	150	1200
C Volume resistivity	'	Ohm-m	IEC 62631-3	1E13	1E10
C Surface resistivity		Ohm	IEC 62631-3	1E14	1E12
C Electric strength	1 mm	kV/mm	IEC 60243-1	40	35
C Comparative tracking index CTI	Solution A	Rating	IEC 60112	525	
Other properties (23 °C)	,	,			
C Water absorption (Saturation value)	Water at 23 °C	%	ISO 62	6.0	
C Water absorption (Equilibrium value)	23 °C; 50 % RH	%	ISO 62	1.8	
C Density	·	kg/m³	ISO 1183	1460	
Bulk density		kg/m³	ISO 60	700	
Processing conditions for test specimens					
C Injection molding-Melt temperature		°C	ISO 294	280	
C Injection molding-Mold temperature		°C	ISO 294	80	
Processing recommendations					
Drying temperature dry air dryer		°C	-	80	
Drying time dry air dryer		h	-	2-6	
Residual moisture content		%	Acc. to Karl Fischer	0.03-0.12	
Melt temperature (Tmin - Tmax)		°C	-	270-290	
Mold temperature		°C	-	80-120	

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.



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#### Disclaimer

Disclaimer for commercial products

This information and our technical advice - whether verbal, in writing or by way of trials - are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

Test values

Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the coloring.

#### Processing note

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.

Conditioning

Conditioning in accordance with ISO 1110 (70 °C; 62 % r.h.)

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