

# Datasheet

## Durethan C38FKAM 000000

PA 6-Copolymer, non-reinforced, extrusion, medium viscosity, slip agent, nucleated, very supple, suitable for food-contact

ISO Shortname: ISO 16396-PA 6/IPDI,,ES,S18-020N

Property	Test Condition	Unit	Standard	guide value <sup>1</sup> d.a.m. cond.
<b>Rheological properties</b>				
C Melt volume-flow rate	235 °C; 2.16 kg	cm <sup>3</sup> /(10 min)	ISO 1133-1	5
<b>Thermal properties</b>				
C Melting temperature	10 °C/min	°C	ISO 11357-1,-3	212
<b>Electrical properties (23 °C/50 % r. h.)</b>				
C Relative permittivity	1 MHz	-	IEC 60250	3
C Volume resistivity		Ohm·m	IEC 62631-3	1E11
C Surface resistivity		Ohm	IEC 62631-3	1E11
C Electric strength	1 mm	kV/mm	IEC 60243-1	30
<b>Other properties (23 °C)</b>				
C Water absorption (Saturation value)	Water at 23 °C	%	ISO 62	10
C Water absorption (Equilibrium value)	23 °C; 50 % RH	%	ISO 62	3
C Density		kg/m <sup>3</sup>	ISO 1183	1130
Bulk density		kg/m <sup>3</sup>	ISO 60	700

### Notes

**1** 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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#### Typical Properties

Property data is provided as general information only. Property values are approximate and are not part of the product specifications.

#### Flammability

Flammability results are based on small-scale laboratory tests for purposes of relative comparison and are not intended to reflect the hazards presented by this or any other material under actual fire conditions.

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Type and quantity of pigments or additives used to obtain certain colors and special visual effects can affect mechanical properties.

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