

Datasheet

Durethan C38FAM 000000

PA 6-Copolymer, non-reinforced, extrusion, suitable for food-contact

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

Property	Test Condition	Unit	Standard	guide value ¹ d.a.m. cond.
Rheological properties				
C Melt volume-flow rate	235 °C; 2.16 kg	cm ³ /(10 min)	ISO 1133-1	5
Thermal properties				
C Melting temperature	10 °C/min	°C	ISO 11357-1,-3	212
Electrical properties (23 °C/50 % r. h.)				
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
Other properties (23 °C)				
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 ³	ISO 1183	1130
Bulk density		kg/m ³	ISO 60	700
Processing recommendations				
Drying temperature dry air dryer		°C	-	80
Drying time dry air dryer		h	-	2-6

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.

Health and Safety

Appropriate literature has been assembled which provides information concerning the health and safety precautions that must be observed when handling Envalior products mentioned in this publication. Before working with these products, you must read and become familiar with the available information on their hazards, proper use, and handling. This cannot be overemphasized. Information is available in several forms, e.g., material safety data sheets (MSDS) and product labels. Consult your Envalior representative or contact the Product Safety and Regulatory Affairs Department. For materials that are not Envalior products, appropriate industrial hygiene and other safety precautions recommended by their manufacturer(s) must be followed.

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Some of the end uses of the products described in this brochure must comply with applicable regulations, such as the FDA, NSF, USDA and CPSC. If you have any questions on the regulatory status of any Envalior engineering thermoplastic, consult your Envalior representative or contact the Regulatory Affairs Manager.

Color and Visual Effects

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