Lanxess Durethan® C 38 F 000000 Copolyamide (Unverified Data**)

Categories: Polymer; Thermoplastic; Nylon (Polyamide PA); Nylon 6 (PA6)

Material Notes: PA 6-Copolymer, non-reinforced, extrusion, medium viscosity, no additives, high transparency

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in³	ISO 1183
Water Absorption	10 %	10 %	Test Sim. to ISO 62
Moisture Absorption at Equilibrium	3.0 %	3.0 %	23°C/50% R.H.; Test Sim. to ISO 62
Viscosity Number	190 cm³/g	1.90 dl/g	ISO 307, 1157, 1628
Melt Flow	6 g/10 min @Load 2.16 kg, Temperature 235 °C	6 g/10 min @Load 4.76 lb, Temperature 455 °F	Estimated using room temperature density; ISO 1133

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	Conditioned; IEC 60093
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	IEC 60093
Dielectric Constant	3.0 @Frequency 1e+6 Hz	3.0 @Frequency 1e+6 Hz	Conditioned; IEC 60250
Dielectric Strength	30.0 kV/mm	762 kV/in	Conditioned; IEC 60243-1

Thermal Properties	Metric	English	Comments
Melting Point	212 °C	414 °F	10°C/min; ISO 11357-1/-3

Descriptive Properties	
Form	Pellets
ISO Short Name	ISO 1874-PA 6/IPDI,FT,18-020
Processing	Film extrusion
Region	Asia Pacific
	Europe
	Near East/Africa
	North America
	South and Central America

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