

Lanxess Durethan® C 38 FAM 000000 Copolyamide

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

Material Notes:

PA 6-Copolymer, non-reinforced, extrusion Information provided by LANXESS.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-C-38-FAM-000000-Copolyamide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ISO 1183
Moisture Absorption at Equilibrium	3.0 %	3.0 %	50% RH; ISO 62
Water Absorption at Saturation	10 %	10 %	ISO 62
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 235 Â°C	5.0 g/10 min @Load 4.76 lb, Temperature 455 Â°F	ISO 1133

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

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	cond.; IEC 60093
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	cond.; IEC 60093
Dielectric Constant	3.0 @Frequency 1.00e+6 Hz	3.0 @Frequency 1.00e+6 Hz	cond.; IEC 60250
Dielectric Strength	30.0 kV/mm @Thickness 1.00 mm	762 kV/in @Thickness 0.0394 in	cond.; IEC 60243-1

Processing Properties	Metric	English	Comments
Drying Temperature	80.0 Â°C	176 Â°F	
Dry Time	2 - 6 hour	2 - 6 hour	

Descriptive Properties	Value	Comments
ISO Shortname	ISO 1874 PA 6/IPDI,ES, 18-020	

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