Solvay Specialty Polymers RytonÂ® QC200N Polyphenylene Sulfide (PPS)

Category : Polymer , Thermoplastic , Polyphenylene Sulfide (PPS) , Polyphenylene Sulfide (PPS), Unreinforced, Extruded

Material Notes:

RytonÂ® PPS Fiber Grade Resins are high molecular weight polyphenylene sulfide polymers suitable for monofilament and/or multifilament fiber extrusion. They exhibit excellent thermal stability and chemical resistance.Features: Good Chemical Resistance; Good Thermal Stability; High Molecular WeightAdditional Properties: Ash Content - ISO 3451-1 0.3 wt%; Color L - 90.0; Volatiles - (150Â°C): < 0.3 wt%; Weight Loss on Heating - (300Â°C): < 0.50 wt%Information provided by Solvay Specialty Polymers.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Ryton-QC200N-Polyphenylene-Sulfide-PPS.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/inÂ³	ASTM D792
Water Absorption at Saturation	0.050 %	0.050 %	ASTM D570
Melt Flow	100 g/10 min @Load 5.00 kg, Temperature 316 Â°C	100 g/10 min @Load 11.0 lb, Temperature 601 Â°F	Procedure B; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	85.0 MPa	12300 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	50.0 Âµm/m-Â°C @Temperature -50.0 - 50.0 Â°C	27.8 Âµin/in-Â°F @Temperature -58.0 - 122 Â°F	1
Melting Point	285 Â°C	545 Â°F	ISO 11357-3
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C	221 Â°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	3.2 @Frequency 1.00e+6 Hz	3.2 @Frequency 1.00e+6 Hz	ASTM D150
Dielectric Strength	24.0 kV/mm	610 kV/in	ASTM D149
	0.0020	0.0020	

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	ASTM D150

Descriptive Properties	Value	Comments
Availability	Asia Pacific	
	Europe	
	Latin America	
	North America	
Form	Pellets	
Processing Technique	Filament Extrusion	
RoHS Compliance	RoHS Compliant	

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