

Solvay TECHNYLÂ® 2710IR PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: TECHNYLÂ® 2710 IR is an unfilled polyamide 6.6, impact modified, for injection molding. The product is available in natural color, and in colors on request. Benefits: This product, used in all sector of industry, offers an excellent productivity due to a fast cycle time. It has also a very good surface aspect after molding. Key Properties: Medium impact, Good surface aspect, and Fast cycle Available in: Asia Pacific Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC. This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applications Applications: Battery gaskets, fasteners. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-2710IR-PA66-DRY.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/inÂ³	ISO 1183
Water Absorption	1.1 % @Temperature 23.0 Â°C, Time 86400 sec	1.1 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage, Flow	0.019 cm/cm	0.019 in/in	
Linear Mold Shrinkage, Transverse	0.019 cm/cm	0.019 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ISO 527 type 1 A
Elongation at Break	25 %	25 %	ISO 527 Type 1A
Flexural Strength	90.0 MPa	13100 psi	ISO 178
Flexural Modulus	2.10 GPa	305 ksi	ISO 178
Izod Impact, Notched (ISO)	22.0 kJ/mÂ²	10.5 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cmÂ²	7.14 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear	12.6 Âµm/m-Â°C @Temperature 23.0 - 85.0 Â°C	7.00 Âµin/in-Â°F @Temperature 73.4 - 185 Â°F	ASTM D696

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.0 Â°C	198 Â°F	ISO 75/Af
Deflection Temperature at 1.8 MPa (264 psi)	92.0 Â°C	198 Â°F	ISO 75/Af
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	ISO 1210
Oxygen Index	21 %	21 %	ISO 4589

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093
Dielectric Constant	3.2	3.2	IEC60250
Dielectric Strength	30.0 kV/mm	762 kV/in	IEC 60243
Dissipation Factor	0.020	0.020	IEC 60250
Comparative Tracking Index	475 V	475 V	Solution B; IEC 60112
	550 V	550 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	265 - 270 Â°C	509 - 518 Â°F	
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-280Â°C	
Mixing Zone	280-290Â°C	

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