

## Solvay TECHNYLÂ® eXten D247 F Nylon 66 & 610

Category : Polymer , Thermoplastic , Nylon

### Material Notes:

Description: Polyamid 66 & 610, impact modified, alkali resistance, mold release, for injection molding. This material is available in natural color and in colors on request Available in: Asia Pacific, Europe, Latin America and North America Product Applications: TECHNYLÂ® eXten D 247 is used in all sectors of industry, offering high impact strength & excellent productivity. This product is especially suitable for the following purposes: Battery gaskets. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-eXten-D247-F-Nylon-66-610.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-eXten-D247-F-Nylon-66-610.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/inÂ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	111	111	ASTM D786
Tensile Strength, Yield	60.0 MPa	8700 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	90.0 MPa	13100 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	2.10 J/cm	3.93 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	262 Â°C	504 Â°F	ISO 11357
Deflection Temperature at 0.46 MPa (66 psi)	182 Â°C	360 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.0 Â°C	154 Â°F	ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	ISO 1210

Processing Properties	Metric	English	Comments
Feed Temperature	265 - 270 Â°C	509 - 518 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	

Processing Properties	Metric	English	Comments
Descriptive Properties			
Compression Zone		270-280Å°C	
Mixing Zone		280-290Å°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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