

## Solvay TECHNYLÂ® C 216 V40 PA6, 40% glass fiber, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled

### Material Notes:

Description: TECHNYLÂ® C 216 V40 is a polyamide 6, reinforced with 40% of glass fiber, for injection molding. This product is available in black color. Benefits: The product offers a good combination between thermal and mechanical properties. Available in: Europe and North America 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: It is used in a wide variety of industries. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-C-216-V40-PA6-40-glass-fiber-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-216-V40-PA6-40-glass-fiber-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/inÂ³	ISO 1183/A
Water Absorption	0.90 %	0.90 %	ISO 62
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	215 MPa	31200 psi	ISO 527 Type 1A
Elongation at Break	2.3 %	2.3 %	ISO 527 Type 1A
Tensile Modulus	1.31 GPa	190 ksi	ISO 527 Type 1A
Flexural Modulus	13.0 GPa	1890 ksi	ISO 178
Izod Impact, Notched (ISO)	16.0 kJ/mÂ²	7.61 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	10.7 J/cmÂ²	50.9 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	1.80 J/cmÂ²	8.57 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	222 Â°C	432 Â°F	ISO 11357
Crystallization Temperature	190 Â°C	374 Â°F	ISO 11357
Flammability, UL94	HB	HB	1210
	@Thickness 0.400 mm	@Thickness 0.0157 in	
	HB	HB	

Thermal Properties	Metric	English	1210 Comments
	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	1210
	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	1210
	HB @Thickness 3.20 mm	HB @Thickness 0.126 in	1210
Glow Wire Test	650 Â°C @Thickness 1.60 mm	1200 Â°F @Thickness 0.0630 in	ISO 60695-2-12

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dissipation Factor	0.020	0.020	IEC 60250
Comparative Tracking Index	550 V	550 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	225 - 230 Â°C	437 - 446 Â°F	
Front Barrel Temperature	240 - 250 Â°C	464 - 482 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	230-240Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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