

## Solvay Technyl® C 216 Nylon 6, 30% Glass Fiber, EH0

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled

### Material Notes:

Polyamide PA6, reinforced with 30% of glass fiber, for injection molding. It has good mechanical properties. It is used in all sectors of industry, offering an excellent combination between thermal and mechanical properties. It is used in the automotive industry and electrical sectors. This product is available in colors on request. Glow wire test thick. 1,6 mm, IEC 695-2-1, is 650°C. Glow wire test thick. 1,6 mm:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Technyl-C-216-Nylon-6-30-Glass-Fiber-EH0.php](http://www.lookpolymers.com/polymer_Solvay-Technyl-C-216-Nylon-6-30-Glass-Fiber-EH0.php)

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in <sup>3</sup>	ISO 1183-A
Water Absorption	0.95 %	0.95 %	24 hours in water at 23°C; ISO 62.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	190 MPa	27600 psi	ISO 527
Elongation at Break	3.8 %	3.8 %	ISO 527
Tensile Modulus	9.60 GPa	1390 ksi	ISO 527
Flexural Yield Strength	280 MPa	40600 psi	ISO 178
Flexural Modulus	9.50 GPa	1380 ksi	ISO 178
Izod Impact Resistance	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	ISO 180
Charpy Impact Unnotched	10.0 J/cm <sup>2</sup>	47.6 ft-lb/in <sup>2</sup>	ISO 179/1EA-1993
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 179/1EA-1993

Thermal Properties	Metric	English	Comments
CTE, linear	32.0 µm/m-°C	17.8 µin/in-°F	ASTM E831
	@Temperature 23.0 - 85.0 °C	@Temperature 73.4 - 185 °F	
Melting Point	222 °C	432 °F	ISO 3146-C
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75-2
Flammability, UL94	HB	HB	ISO 1210/UL 94
	@Thickness 0.800 mm	@Thickness 0.0315 in	
	HB	HB	ISO 1210/UL 94

Thermal Properties	@Thickness 1.60 mm Metric	@Thickness 0.0630 in English	Comments
Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 93
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 93
Dielectric Constant	3.8	3.8	IEC 250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	0.020	0.020	IEC 250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	550 V	550 V	IEC 112

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	225 - 230 Â°C	437 - 446 Â°F	
Middle Barrel Temperature	230 - 240 Â°C	446 - 464 Â°F	
Front Barrel Temperature	240 - 250 Â°C	464 - 482 Â°F	

## Contact Songhan Plastic Technology Co.,Ltd.

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