

## Solvay Technyl® A 216 V40 40% Glass Filled Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

### Material Notes:

Information provided by Rhodia; Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Technyl-A-216-V40-40-Glass-Filled-Nylon-66.php](http://www.lookpolymers.com/polymer_Solvay-Technyl-A-216-V40-40-Glass-Filled-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.70 %	0.70 %	24 Hr.; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	225 MPa	32600 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	13.0 GPa	1890 ksi	ASTM D638
Flexural Strength	305 MPa	44200 psi	ASTM D790
Flexural Modulus	10.7 GPa	1550 ksi	ASTM D790
Izod Impact, Notched	1.35 J/cm	2.53 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	263.0 °C	505.4 °F	
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	ASTM D648
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Feed Temperature	260 - 270 °C	500 - 518 °F	
Middle Barrel Temperature	270 - 280 °C	518 - 536 °F	Compression Zone
Front Barrel Temperature	280 - 290 °C	536 - 554 °F	
Nozzle Temperature	271 - 279 °C	520 - 535 °F	
Melt Temperature	270 - 300 °C	518 - 572 °F	

Mold Temperature Processing Properties	80.0 - 120 Â°C Metric	176 - 248 Â°F English	Surface Comments
Drying Temperature	80.0 Â°C	176 Â°F	Dehumidifying Dryer
Dry Time	3 - 4 hour	3 - 4 hour	
Moisture Content	<= 0.20 %	<= 0.20 %	
Back Pressure	0.138 - 0.345 MPa	20.0 - 50.0 psi	
Fill Speed	200 - 300 mm/sec	7.87 - 11.8 in/sec	Peripheral Screw Speed

Descriptive Properties	Value	Comments
Injection Speed (cm3/sec)	120 - 170 cm <sup>3</sup> /sec	

## Contact Songhan Plastic Technology Co.,Ltd.

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