

## Solvay Technyl® C 218 MT25 V15 25% Mineral, 15% Glass Filled, Heat Stabilized Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

### 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-C-218-MT25-V15-25-Mineral-15-Glass-Filled-Heat-Stabilized-Nylon-6.php](http://www.lookpolymers.com/polymer_Solvay-Technyl-C-218-MT25-V15-25-Mineral-15-Glass-Filled-Heat-Stabilized-Nylon-6.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ISO 1183-A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	ISO 527
Elongation at Break	2.5 %	2.5 %	ISO 527
Tensile Modulus	9.72 GPa	1410 ksi	ISO 527
Izod Impact, Notched (ISO)	4.20 kJ/m <sup>2</sup>	2.00 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	222 Â°C	432 Â°F	ISO 3146-C
Deflection Temperature at 1.8 MPa (264 psi)	205 Â°C	401 Â°F	ISO 75-2
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Feed Temperature	230 - 240 Â°C	446 - 464 Â°F	
Middle Barrel Temperature	250 - 255 Â°C	482 - 491 Â°F	Compression Zone
Front Barrel Temperature	250 - 255 Â°C	482 - 491 Â°F	
Melt Temperature	230 - 260 Â°C	446 - 500 Â°F	
Mold Temperature	100 - 120 Â°C	212 - 248 Â°F	Surface
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 %	

Processing Properties	Metric	English	Comments
Fill Speed	200 - 600 mm/sec	7.87 - 23.6 in/sec	Peripheral Screw Speed

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

## Contact Songhan Plastic Technology Co.,Ltd.

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