

## Solvay TECHNYLSTAR<sup>®</sup>,ç SX 218 V60 Black Z PA6, 60% glass filled, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 60% Glass Fiber Filled

### Material Notes:

Description: TECHNYLSTAR Polyamide reinforced with 60% of glass fiber, heat stabilized, for injection molding. Characterized by a high fluidity of the melt. Available in: Asia Pacific, Europe and North America  
 Product Applications: TECHNYL STAR SX 218 V60 BLACK Z is suitable for all applications where a high rigidity is required. Due to its outstanding flow properties, the material easily fills the mould and the surface aspect of the finished part is excellent. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYLSTAR-SX-218-V60-Black-Z-PA6-60-glass-filled-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYLSTAR-SX-218-V60-Black-Z-PA6-60-glass-filled-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	240 MPa	34800 psi	ISO 527 Type 1A
Elongation at Break	2.5 %	2.5 %	ISO 527 Type 1A
Tensile Modulus	21.0 GPa	3050 ksi	ISO 527 Type 1A
Flexural Modulus	19.0 GPa	2760 ksi	ISO 178
Izod Impact, Notched (ISO)	15.0 kJ/m <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 180/1eA
Izod Impact, Unnotched (ISO)	90.0 kJ/m <sup>2</sup>	42.8 ft-lb/in <sup>2</sup>	ISO 180/1eU
Charpy Impact Unnotched	8.50 J/cm <sup>2</sup>	40.4 ft-lb/in <sup>2</sup>	ISO 179/1eU
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	222 Å°C	432 Å°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	215 Å°C	419 Å°F	ISO 75/Af
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	1210

Processing Properties	Metric	English	Comments
Feed Temperature	220 - 225 Å°C	428 - 437 Å°F	
Front Barrel Temperature	240 - 245 Å°C	464 - 473 Å°F	

Mold Temperature Processing Properties	80.0 Â°C Metric	176 Â°F English	Comments
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	235-240Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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