

Solvay TECHNYLÂ® A 218 MZ15 V 25 PA66, 25/15% glass/mineral fiber, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass/Mineral Filled

Material Notes:

Description: TECHNYLÂ® A 218 MZ15 V25 is a polyamide 66, reinforced with 25% of glass fiber and 15% of mineral filler, heat stabilized, for injection molding. This product is available in black color.**Benefits:** The product offers an excellent combination between thermal and mechanical properties as well as a low warpage of molded parts.**Available in:** Asia Pacific, Europe, Latin America 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:** This grade is commonly used in the automotive industry to mould large parts such as rocker cover and engine covers.**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-218-MZ15-V-25-PA66-2515-glassmineral-fiber-Conditioned.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/inÂ³	ISO 1183/A
Viscosity	30 cP	30 cP	
	@Shear Rate 1000 1/s, Temperature 280 Â°C	@Shear Rate 1000 1/s, Temperature 536 Â°F	
	30 cP	30 cP	
	@Shear Rate 1000 1/s, Temperature 290 Â°C	@Shear Rate 1000 1/s, Temperature 554 Â°F	
	30 cP	30 cP	
	@Shear Rate 1000 1/s, Temperature 300 Â°C	@Shear Rate 1000 1/s, Temperature 572 Â°F	
	105 cP	105 cP	
	@Shear Rate 100 1/s, Temperature 300 Â°C	@Shear Rate 100 1/s, Temperature 572 Â°F	
	109 cP	109 cP	
	@Shear Rate 100 1/s, Temperature 290 Â°C	@Shear Rate 100 1/s, Temperature 554 Â°F	
	120 cP	120 cP	
	@Shear Rate 100 1/s, Temperature 280 Â°C	@Shear Rate 100 1/s, Temperature 536 Â°F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	115 MPa	16700 psi	ISO 527 Type 1A

Mechanical Properties	22.0 MPa Metric	3190 psi English	Comments
Tensile Stress	@Strain 1.00 %, Temperature 120 Â°C	@Strain 1.00 %, Temperature 248 Â°F	
	30.0 MPa	4350 psi	
	@Strain 1.00 %, Temperature 80.0 Â°C	@Strain 1.00 %, Temperature 176 Â°F	
	45.0 MPa	6530 psi	
	@Strain 2.00 %, Temperature 120 Â°C	@Strain 2.00 %, Temperature 248 Â°F	
	50.0 MPa	7250 psi	
	@Strain 1.00 %, Temperature 23.0 Â°C	@Strain 1.00 %, Temperature 73.4 Â°F	
	60.0 MPa	8700 psi	
	@Strain 2.00 %, Temperature 80.0 Â°C	@Strain 2.00 %, Temperature 176 Â°F	
	60.0 MPa	8700 psi	
	@Strain 5.00 %, Temperature 120 Â°C	@Strain 5.00 %, Temperature 248 Â°F	
	61.0 MPa	8850 psi	
	@Strain 8.00 %, Temperature 120 Â°C	@Strain 8.00 %, Temperature 248 Â°F	
	78.0 MPa	11300 psi	
	@Strain 5.00 %, Temperature 80.0 Â°C	@Strain 5.00 %, Temperature 176 Â°F	
	80.0 MPa	11600 psi	
	@Strain 8.00 %, Temperature 80.0 Â°C	@Strain 8.00 %, Temperature 176 Â°F	
	130 MPa	18900 psi	
	@Strain 2.00 %, Temperature 23.0 Â°C	@Strain 2.00 %, Temperature 73.4 Â°F	
Elongation at Break	3.0 %	3.0 %	ISO 527 Type 1A
Tensile Modulus	7.50 GPa	1090 ksi	ISO 527 Type 1A
Izod Impact, Notched (ISO)	6.00 kJ/mÂ²	2.86 ft-lb/inÂ²	ISO 180/1A
Charpy Impact Unnotched	5.50 J/cmÂ²	26.2 ft-lb/inÂ²	ISO 179/1eU
Charpy Impact, Notched	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	ISO 179/1eA

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

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