

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

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-DRY.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--------------|----------------|------------|
| Density | 1.47 g/cc | 0.0531 lb/inÂ³ | ISO 1183/A |
| Linear Mold Shrinkage | 0.0065 cm/cm | 0.0065 in/in | Isotropy |
| Linear Mold Shrinkage, Flow | 0.0066 cm/cm | 0.0066 in/in | |
| Linear Mold Shrinkage, Transverse | 0.0101 cm/cm | 0.0101 in/in | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--------------|-----------------|-----------------|
| Tensile Strength at Break | 140 MPa | 20300 psi | ISO 527 Type 1A |
| | 150 MPa | 21800 psi | ASTM D638 |
| Elongation at Break | 2.0 % | 2.0 % | ISO 527 Type 1A |
| | 2.0 % | 2.0 % | ASTM D638 |
| Tensile Modulus | 10.0 GPa | 1450 ksi | ISO 527 Type 1A |
| Flexural Strength | 210 MPa | 30500 psi | ISO 178 |
| | 220 MPa | 31900 psi | ASTM D790 |
| Flexural Modulus | 9.00 GPa | 1310 ksi | ISO 178 |
| | 9.60 GPa | 1390 ksi | ASTM D790 |
| Izod Impact, Notched (ISO) | 4.00 kJ/mÂ² | 1.90 ft-lb/inÂ² | ISO 180/1A |
| Charpy Impact Unnotched | 4.50 J/cmÂ² | 21.4 ft-lb/inÂ² | ISO 179/1eU |
| Charpy Impact, Notched | 0.500 J/cmÂ² | 2.38 ft-lb/inÂ² | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|----------------------------|-----------|
| Melting Point | 263 Â°C | 505 Â°F | ISO 11357 |
| Deflection Temperature at 1.8 MPa (264 psi) | 240 Â°C | 464 Â°F | ISO 75/Af |
| | 240 Â°C | 464 Â°F | ASTM D648 |
| Flammability, UL94 | HB @Thickness 1.60 mm | HB @Thickness 0.0630 in | 1210 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|---------------|----------|
| Feed Temperature | 265 - 275 Â°C | 509 - 527 Â°F | |
| Mold Temperature | 70.0 - 100 Â°C | 158 - 212 Â°F | |
| Drying Temperature | 80.0 Â°C | 176 Â°F | |
| Moisture Content | <= 0.20 % | <= 0.20 % | |

| Descriptive Properties | Value | Comments |
|-------------------------|------------|----------|
| Compression Zone | 270-280Â°C | |
| Draw-plate temperatures | 280-290Â°C | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China