

SABIC Innovative Plastics Valox[®] SLWM2105 PBT+PC (Asia Pacific)

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Anti-static PBT/PC blend, mineral 5% filled product This data was supplied by SABIC-IP for the Asia Pacific region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-SLWM2105-PBTPC-Asia-Pacific.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D 792
Linear Mold Shrinkage, Flow	0.015 - 0.018 cm/cm @Thickness 3.20 mm	0.015 - 0.018 in/in @Thickness 0.126 in	SABIC Method
Melt Flow	30 g/10 min @Load 1.20 kg, Temperature 250 Â°C	30 g/10 min @Load 2.65 lb, Temperature 482 Â°F	ASTM D 1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	46.0 MPa	6670 psi	Type I, 5 mm/min; ASTM D 638
Tensile Strength, Yield	46.0 MPa	6670 psi	Type I, 50 mm/min; ASTM D 638
Elongation at Break	20 %	20 %	Type I, 10 mm/min; SABIC - Japan Method
Elongation at Yield	20 %	20 %	Type I, 10 mm/min; SABIC - Japan Method
Tensile Modulus	2.42 GPa	351 ksi	5 mm/min; ASTM D 638
Flexural Yield Strength	77.0 MPa	11200 psi	1.3 mm/min, 50 mm span; ASTM D 790
Flexural Modulus	2.30 GPa	334 ksi	1.3 mm/min, 50 mm span; ASTM D 790
Izod Impact, Notched	0.410 J/cm @Temperature 23.0 Â°C	0.768 ft-lb/in @Temperature 73.4 Â°F	ASTM D 256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	161 Â°C @Thickness 3.20 mm	322 Â°F @Thickness 0.126 in	unannealed; ASTM D 648

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