

SABIC Innovative Plastics Valox® V9280LW PET (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

40% Glassfiber / Mineral Filled PET, Impact Modifier, Mold Release, Heat Stabilized This data was supplied by SABIC-IP for the Europe-Africa-Middle East region.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-V9280LW-PET-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.050 %	0.050 %	23 ^o C / 50% RH; ISO 62
Water Absorption at Saturation	0.25 % @Temperature 23.0 ^o C	0.25 % @Temperature 73.4 ^o F	ISO 62
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 265 ^o C	8.0 g/10 min @Load 4.76 lb, Temperature 509 ^o F	[cm ³ /10 min] Melt Volume Rate; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	150 MPa	21800 psi	5 mm/min; ISO 527
Tensile Strength, Yield	150 MPa	21800 psi	5 mm/min; ISO 527
Elongation at Break	1.9 %	1.9 %	5 mm/min; ISO 527
Elongation at Yield	1.9 %	1.9 %	5 mm/min; ISO 527
Tensile Modulus	12.5 GPa	1810 ksi	1 mm/min; ISO 527
Flexural Yield Strength	215 MPa	31200 psi	2 mm/min; ISO 178
Flexural Modulus	10.0 GPa	1450 ksi	2 mm/min; ISO 178
Izod Impact, Unnotched (ISO)	35.0 kJ/m ² @Temperature -30.0 ^o C	16.7 ft-lb/in ² @Temperature -22.0 ^o F	80*10*4; ISO 180/1U
	40.0 kJ/m ² @Temperature 23.0 ^o C	19.0 ft-lb/in ² @Temperature 73.4 ^o F	80*10*4; ISO 180/1U
Charpy Impact, Notched	0.700 J/cm ² @Temperature 23.0	3.33 ft-lb/in ²	V-notch Edgew 80*10*4 sp=62mm; ISO 179/1eA

Mechanical Properties	°C Metric	@Temperature 73.4 °F English	Comments
Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 Åµm/m-Å°C @Temperature 23.0 - 80.0 Å°C	11.1 Åµin/in-Å°F @Temperature 73.4 - 176 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	80.0 Åµm/m-Å°C @Temperature 23.0 - 80.0 Å°C	44.4 Åµin/in-Å°F @Temperature 73.4 - 176 Å°F	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	235 Å°C	455 Å°F	Flatw 80*10*4 sp=64mm; ISO 75/Af
Vicat Softening Point	235 Å°C	455 Å°F	Rate B/50; ISO 306
	240 Å°C	464 Å°F	Rate B/120; ISO 306

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