

SABIC Innovative Plastics Valox® V9290 PET (Europe-Africa-Middle East)

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

Material Notes:

45% GF PET, Glass, Mold Release, Heat Stabilized,

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Valox-V9290-PET-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183
Moisture Absorption	0.0500 %	0.0500 %	23 ^o C / 50% RH; ISO 62
Water Absorption at Saturation	0.25 %	0.25 %	ISO 62
Melt Index of Compound	7.0 g/10 min @Load 1.20 kg, Temperature 265 ^o C	7.0 g/10 min @Load 2.65 lb, Temperature 509 ^o F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	160 MPa	23200 psi	5 mm/min; ISO 527
Tensile Strength, Yield	160 MPa	23200 psi	5 mm/min; ISO 527
Elongation at Break	1.5 %	1.5 %	5 mm/min; ISO 527
Elongation at Yield	1.5 %	1.5 %	5 mm/min; ISO 527
Tensile Modulus	15.0 GPa	2180 ksi	1 mm/min; ISO 527
Flexural Yield Strength	225 MPa	32600 psi	2 mm/min; ISO 178
Flexural Modulus	13.0 GPa	1890 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	80*10*4; ISO 180/1A
	8.00 kJ/m ² @Temperature -30.0 ^o C	3.81 ft-lb/in ² @Temperature -22.0 ^o F	80*10*4; ISO 180/1A
Charpy Impact, Notched	0.700 J/cm ²	3.33 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 ^o µm/m- ^o C @Temperature 23.0 - 80.0 ^o C	11.1 ^o µin/in- ^o F @Temperature 73.4 - 176 ^o F	ISO 11359-2

Thermal Properties	^{80.0} $\mu\text{m/m-}^{\circ}\text{C}$ Metric	^{44.4} $\mu\text{in/in-}^{\circ}\text{F}$ English	Comments
CTE, linear, Transverse to Flow	@Temperature 23.0 - 80.0 $^{\circ}\text{C}$	@Temperature 73.4 - 176 $^{\circ}\text{F}$	ISO 11359-2
Deflection Temperature at 1.8 MPa (264 psi)	235 $^{\circ}\text{C}$	455 $^{\circ}\text{F}$	Flatw 80*10*4 sp=64mm; ISO 75/Af
Vicat Softening Point	235 $^{\circ}\text{C}$	455 $^{\circ}\text{F}$	Rate B/50; ISO 306
	240 $^{\circ}\text{C}$	464 $^{\circ}\text{F}$	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