

Styron VELVEX[®] 5250 SC Reinforced Elastomer/PP compound

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Overview: VELVEX[®] 5250 SC Natural is a reinforced elastomer/PP compound which provides a unique property balance of good stiffness, impact and high heat resistance in combination with a nice soft feel, low CLTE and easy processing. In combination with the Styron color concentrate CC REUV4%, very uniform low gloss is achieved in combination with outstanding scratch and mar resistance. Information provided by Styron

Order this product through the following link:

http://www.lookpolymers.com/polymer_Styron-VELVEX-5250-SC-Reinforced-ElastomerPP-compound.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ISO 1183/A
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ISO 294-4
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 230 °C	11 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	9.00 MPa	1310 psi	ISO 527-2
Tensile Strength, Yield	45.0 MPa	6530 psi	ISO 527-2
Tensile Modulus	2.90 GPa	421 ksi	ISO 527-2
Flexural Modulus	1.80 GPa	261 ksi	Average on molded plaque; ISO 178
	3.10 GPa	450 ksi	ISO 178
Charpy Impact, Notched	1.10 J/cm ²	5.23 ft-lb/in ²	ISO 179/1eA
	3.40 J/cm ²	16.2 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	45.0 µm/m-°C	25.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	Unannealed; ISO 75-2/A
Vicat Softening Point	145 °C	293 °F	ISO 306/A120

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