

Advanced Elastomer Systems VistaFlex® 912-B Thermoplastic Rubber (discontinued **)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Description: A black super high-flow thermoplastic elastomer especially designed for injection molding applications. It replaces soft thermoplastics such as SBS, SEBS, and PVC blends. Supplied as free-flowing pellets in 25 kilogram (55 pound) moisture barrier bags. Features: High flow Good surface appearance on molded parts Good tensile properties Good tear strength Product Notes: Values are for injection molded plaques, side gated. 82.6 mm x 117.5 mm x 3 mm Information provided by Advanced Elastomer Systems. Advanced Elastomer Systems is now a part of ExxonMobil. This grade was removed from the Advanced Elastomers Systems standard product line before the ExxonMobil acquisition.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Elastomer-Systems-VistaFlex-912-B-Thermoplastic-Rubber-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D792
Melt Flow	45 g/10 min	45 g/10 min	
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35	35	5 seconds; ASTM D2240
Tensile Strength, Yield	6.00 MPa	870 psi	At 100% elongation, across flow; ASTM D412
	10.0 MPa	1450 psi	Across flow; ASTM D412
Tensile Modulus	0.340 GPa	49.3 ksi	1mm/min; DIN 53457
Flexural Modulus	0.270 GPa	39.2 ksi	1.7 mm/min; DIN 53457
Izod Impact, Notched	NB	NB	ISO 180A
	@Temperature -35.0 °C	@Temperature -31.0 °F	
Tear Strength	89.4 kN/m	510 pli	73°F; ASTM D624

Thermal Properties	Metric	English	Comments
Vicat Softening Point	82.0 °C	180 °F	Vicat A, 1 kg; DIN 53460/ISO 306
Brittleness Temperature	-40.0 °C	-40.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
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Processing Properties	175 - 240 °C Metric	347 - 454 °F English	Comments
Mold Temperature	20.0 - 40.0 °C	68.0 - 104 °F	

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