

PolyOne Novablend™ 9562 Polyvinyl Chloride Alloy (PVC Alloy)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Custom Molding Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Novablend-9562-Polyvinyl-Chloride-Alloy-PVC-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	Properties reported for Natural color.; ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955
Spiral Flow	58.4 cm	23.0 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	79	79	10 sec; ASTM D2240
Tensile Strength, Yield	46.2 MPa	6700 psi	Type I, 51 mm/min; ASTM D638
Elongation at Break	50 %	50 %	Type I, 51 mm/min; ASTM D638
Tensile Modulus	2.24 GPa	325 ksi	Type I, 51 mm/min; ASTM D638
Flexural Strength	68.3 MPa	9910 psi	ASTM D790
Flexural Modulus	2.28 GPa	331 ksi	ASTM D790
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	Injection Molded; ASTM D256A
	@Thickness 3.18 mm, Temperature -18.0 °C	@Thickness 0.125 in, Temperature -0.400 °F	
	6.40 J/cm	12.0 ft-lb/in	
	@Thickness 3.18 mm, Temperature 0.000 °C	@Thickness 0.125 in, Temperature 32.0 °F	Injection Molded; ASTM D256A
	9.60 J/cm	18.0 ft-lb/in	
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	
Dart Drop Total Energy	89.0 J/cm	0.167 ft-lb/mil	Procedure A, 1/8-in. conical No brittle breaks. MFE/Avg. thk. > 264/0.125; ASTM D4226
	@Thickness 3.18 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	140 µm/m-°C	77.8 µin/in-°F	ASTM D696

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	@Thickness 3.18 mm	@Thickness 0.125 in	Injection Molded; Unannealed; ASTM D648
	82.0 °C	180 °F	Injection Molded; Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
Deflection Temperature at 1.8 MPa (264 psi)	64.4 °C	148 °F	Injection Molded; Unannealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
	74.1 °C	165 °F	Injection Molded; Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 210 °C	390 - 410 °F	

Descriptive Properties	Value	Comments
Appearance	Opaque	
Features	General Purpose	
	High Impact Resistance	
	Medium Flow	
Forms	Pellets	
Generic Material	PVC Alloy	
Generic Name	Polyvinyl Chloride Alloy (PVC Alloy)	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	
	General Purpose	
	Outdoor Applications	

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