

PolyOne Novablend™ 6602 Polyvinyl Chloride, Rigid (PVC, Rigid)

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Rigid Grade

Material Notes:

Novablend 6602 is a rigid, opaque PVC for molding compounds. This product has high impact, excellent indoor/outdoor weathering, high flow, and good processing characteristics. Applications includes: Electrical, Business machines, Telecommunications, Multi Purpose. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Novablend-6602-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	81	81	15 sec; ASTM D2240
Tensile Strength	45.5 MPa	6600 psi	ASTM D638
Elongation at Break	32 %	32 %	ASTM D638
Tensile Modulus	2.45 GPa	355 ksi	Type I; ASTM D638
Flexural Strength	70.3 MPa	10200 psi	ASTM D790
Flexural Modulus	2.52 GPa	365 ksi	ASTM D790
Izod Impact, Notched	6.40 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	12.0 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	67.2 °C	153 °F	Unannealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
	70.6 °C	159 °F	Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
Deflection Temperature at 1.8 MPa (264 psi)	57.0 °C	135 °F	Unannealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	
	68.3 °C	155 °F	Annealed; ASTM D648
	@Thickness 3.18 mm	@Thickness 0.125 in	

Thermal Properties	105 °C Metric	221 °F English	Comments
	@Temperature 105 °C	@Temperature 221 °F	
UL RTI, Mechanical with Impact	105 °C	221 °F	elong; UL 746
	@Temperature 105 °C	@Temperature 221 °F	
UL RTI, Mechanical without Impact	105 °C	221 °F	UL 746
	@Temperature 105 °C	@Temperature 221 °F	
Flammability, UL94	5VA	5VA	All, Also UL 94 V-O @ 0.059 in thick.; UL 94
	@Thickness 1.80 mm	@Thickness 0.0709 in	

Processing Properties	Metric	English	Comments
Melt Temperature	199 - 204 °C	390 - 399 °F	

Descriptive Properties	Value	Comments
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Outdoor Suitability	f1	UL 746C
Regional Availability	North America	
Uses	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