

PolyOne Novablend™ 4578 Polyvinyl Chloride, Rigid (PVC, Rigid)

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

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Novablend-4578-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	41.5 MPa	6020 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.39 GPa	347 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	73.1 MPa	10600 psi	ASTM D790
Flexural Modulus	2.53 GPa	367 ksi	ASTM D790
Izod Impact, Notched	9.90 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	18.5 ft-lb/in @Thickness 0.125 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	69.4 °C @Thickness 1.57 mm	157 °F @Thickness 0.0618 in	Annealed; ASTM D648

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Clear/Transparent	
Features	Food Contact Acceptable	
	High Gloss	
	High Impact Resistance	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Blow Molding	

Descriptive Properties	Value	Comments
Regional Availability	North America	
Uses	Bottles	
	Packaging	

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