

PolyOne Geon™ Vinyl Packaging 2710 TRN 9470 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-Geon-Vinyl-Packaging-2710-TRN-9470-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	ASTM D792
Density	<= 0.833 g/cc	<= 0.0301 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	ASTM D2240
Tensile Strength, Yield	44.4 MPa	6440 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	2.36 GPa	342 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	77.3 MPa	11200 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	1.00 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	1.87 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)	20.0 °C @Thickness 3.18 mm	68.0 °F @Thickness 0.125 in	Unannealed; ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	69 % @Thickness 0.762 mm, Wavelength 400 nm	69 % @Thickness 0.0300 in, Wavelength 400 nm	Internal Method
	85 % @Thickness 0.762 mm, Wavelength 700 nm	85 % @Thickness 0.0300 in, Wavelength 700 nm	Internal Method

Descriptive Properties	Value	Comments
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Additive Descriptive Properties	UV Stabilizer Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Clear/Transparent	
Features	Food Contact Acceptable	
	High Flow	
	High Gloss	
	High Impact Resistance	
Forms	Pellets	
Generic Material	PVC, Rigid	
Generic Name	Polyvinyl Chloride, Rigid (PVC, Rigid)	
Processing Method	Injection Blow Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Cosmetics	
	Medical Packaging	

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