

PolyOne Novablend™ 5035 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-5035-Polyvinyl-Chloride-Rigid-PVC-Rigid.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 g/cc	1.35 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.3 MPa	7010 psi	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	3.24 GPa	470 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	86.9 MPa	12600 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	0.350 J/cm @Thickness 3.18 mm, Temperature 23.0 °C	0.656 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)	67.2 °C @Thickness 1.57 mm	153 °F @Thickness 0.0618 in	Annealed; ASTM D648
Flammability, UL94	V-0	V-0	Cell classification 12453(D-1784); UL 94
Oxygen Index	30 %	30 %	ISO 4589-2

Descriptive Properties	Value	Comments
Agency Ratings	FDA Food Contact, Unspecified Rating	
Appearance	Clear/Transparent	
Features	Food Contact Acceptable	
	High Gloss	
Forms	Pellets	
Generic Material	PVC, Rigid	

Generic Name Descriptive Properties	Polvinyl Chloride, Rigid (PVC, Rigid) Value	Comments
Processing Method	Extrusion	
Regional Availability	North America	
Uses	Profiles	
	Transparent or Translucent Parts	

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