

PolyOne Geon™ Vinyl Flexible R351AE Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-R351AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	15 sec; ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	15.9 MPa @Strain 100 %	2310 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	101 kN/m	576 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	171 - 179 °C	340 - 354 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Features	General Purpose	
	Low Temperature Resistant	
	Medium Gloss	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	

Descriptive Properties Processing Method	Value Extrusion	Comments
	Injection Molding	
	Profile Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Construction Applications	
	Flooring	
	Furniture	
	General Purpose	
	Profiles	

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