

## PolyOne Geon™ Vinyl Flexible R279AE 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-R279AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php](http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-R279AE-Polyvinyl-Chloride-Flexible-PVC-Flexible.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	15 sec; ASTM D2240
Tensile Strength at Break	23.1 MPa	3350 psi	Type IV, 510 mm/min; ASTM D638
Tensile Strength	16.9 MPa @Strain 100 %	2450 psi @Strain 100 %	Type IV, 510 mm/min; ASTM D638
Elongation at Break	280 %	280 %	Type IV, 510 mm/min; ASTM D638
Tear Strength	114 kN/m	650 pli	Die C, 510 mm/min; ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-15.0 °C	5.00 °F	ASTM D746

Processing Properties	Metric	English	Comments
Melt Temperature	179 - 185 °C	354 - 365 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Additive	Lubricant	
Appearance	Clear/Transparent	
Features	Low Gloss	
	Lubricated	
Forms	Pellets	
Generic Material	PVC, Flexible	

Descriptive Properties	Value	Comments
<small>Generic Name</small>	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
	Profile Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Furniture	
	Profiles	

## Contact Songhan Plastic Technology Co.,Ltd.

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