

PolyOne Geon™ Vinyl Flexible A4DU5 Polyvinyl Chloride, Flexible (PVC, Flexible)

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Recommended for interior applications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Geon-Vinyl-Flexible-A4DU5-Polyvinyl-Chloride-Flexible-PVC-Flexible.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	86	86	15 sec; ASTM D2240
	93	93	ASTM D2240
Hardness, Shore D	40	40	15 sec; ASTM D2240
	53	53	ASTM D2240
Tensile Strength at Break	20.0 MPa	2900 psi	510 mm/min; ASTM D638
Tensile Strength	14.5 MPa	2100 psi	510 mm/min; ASTM D638
	@Strain 100 %	@Strain 100 %	
Elongation at Break	330 %	330 %	510 mm/min; ASTM D638
Tear Strength	114 kN/m	650 pli	Die C, 510 mm/min; ASTM D624
Compression Set	60 %	60 %	ASTM D395
	@Temperature 23.0 °C, Time 79200 sec	@Temperature 73.4 °F, Time 22.0 hour	
Clash Berg Modulus	0.758 GPa	110 ksi	ASTM D1043
	0.310 GPa	45.0 ksi	ASTM D1043
@Temperature -13.0 °C	@Temperature 8.60 °F		

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-20.0 °C	-4.00 °F	ASTM D746

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
	177 - 188 °C	351 - 370 °F	
	193 - 204 °C	379 - 399 °F	

Descriptive Properties	Value	Comments
Appearance	Clear/Transparent	
Features	General Purpose	
	Good UV Resistance	
Forms	Pellets	
Generic Material	PVC, Flexible	
Generic Name	Polyvinyl Chloride, Flexible (PVC, Flexible)	
Processing Method	Extrusion	
	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	General Purpose	

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