

Geon™ Vinyl Flexible C5DU1

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C5DU1 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Construction Applications. Primary characteristic: low gloss.

General Information			
Features	Low Gloss		
Uses	Construction Applications		
	Cove Base		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	53		
Shore D, 15 sec	37		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	16.5	MPa	
100% Strain	13.1	MPa	
Tensile Elongation ² (Break)	220	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	82.3	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.5	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	188 to 199	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 185	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	Die C, 510 mm/min		

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