

Geon™ Vinyl Flexible 86280

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible 86280 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. Primary characteristic: low gloss.

General Information			
Features	Low Gloss		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tear Resistance ¹	22.8	kN/m	ASTM D1004
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain)	3.79	MPa	ASTM D412A
Tensile Strength ³ (Yield)	9.31	MPa	ASTM D412A
Tensile Elongation ⁴ (Break)	390	%	ASTM D412A
Compression Set (23°C, 22 hr)	10	%	ASTM D395
Clash-Berg Modulus (-35°C)	37.2	MPa	ASTM D1043
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-47.2	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	177 to 193	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	168 to 174	°C	
NOTE			
1.	Die C, 2 in/min		
2.	510 mm/min		
3.	510 mm/min		
4.	510 mm/min		

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