

Geon™ Vinyl Flexible D7000

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible D7000 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion 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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	ASTM D2240		
Shore A	70		
Shore A, 15 sec	61		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	ASTM D638		
Break	5.86	MPa	
100% Strain	3.45	MPa	
Tensile Elongation ² (Break)	350	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	26.3	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	20	%	ASTM D395
Clash-Berg Modulus	ASTM D1043		
--	43.4	MPa	
-23°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-37.8	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Melt Temperature	171 to 177	°C	
NOTE			
1.	510 mm/min		
2.	510 mm/min		
3.	Die C, 510 mm/min		

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