

Geon™ Vinyl Flexible A4D00

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible A4D00 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: high gloss.

General Information			
Features	General Purpose		
	High Gloss		
Uses	General Purpose		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 to 1.6	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	53		
Shore D, 15 sec	40		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.0	MPa	
100% Strain	14.5	MPa	
Tensile Elongation ² (Break)	330	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	114	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	60	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	758	MPa	
-13°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-20.0	°C	ASTM D746

Injection	Nominal Value	Unit
Processing (Melt) Temp	193 to 204	°C

Extrusion	Nominal Value	Unit
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Melt Temperature	177 to 188	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

