

Geon™ Vinyl Flexible A75M1 Trans 9000

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

This compound is certified for fuel hose applications(R1 Type B Class 1)under SAE J 1527 requirements.

General Information			
Features	High Gloss		
	Low to No Migration		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.9 to 2.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	75		
Shore A, 15 sec	70		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	14.5	MPa	
100% Strain	6.89	MPa	
Tensile Elongation ² (Break)	410	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	64.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	25	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	689	MPa	
-22°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-26.1	°C	ASTM D746
Optical	Nominal Value	Unit	Test Method
Transmittance ⁴ (1910 µm)	82.0	%	ASTM D1003
Haze (1910 µm)	4.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	

Extrusion	Nominal Value	Unit
Melt Temperature	177 to 182	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	
4.	CIE Illuminant C	

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