

Geon™ Vinyl Flexible A87F3

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible A87F3 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.

Characteristics include:

Flame Rated

Flame Retardant

General Information			
Features	Antistatic		
	Flame Retardant		
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
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	87		
Shore A, 15 sec	81		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	21.0	MPa	
100% Strain	12.1	MPa	
Tensile Elongation ² (Break)	380	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	85.8	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-12.8	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.10 mm, Transparent, Tested passing V-0 but not registered by UL.	V-0		
1.50 mm, Transparent, Tested passing V-0 but, not registered by UL.	V-0		
2.50 mm, Transparent, Tested passing V-0 but not registered by UL.	V-0		

Oxygen Index (3.00 mm)	30	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	188 to 199	°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		

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Recommended distributors for this material

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