

# Geon™ Vinyl Flexible A87UF

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Flexible A87UF is a flexible polyvinyl chloride product. It can be processed by extrusion or injection molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Geon™ Vinyl Flexible A87UF applications include hoses and construction applications.

Features include:

Flame Retardant

UV stability

General Information			
Additive	UV stabilizer		
Features	UV absorption		
	Flame retardancy		
Uses	Floor Material		
	Pipe		
	Pipe fittings		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	91		ASTM D2240
Shaw A, 15 seconds	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Fracture	18.6	MPa	ASTM D638
100% strain	11.7	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	300	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>3</sup>	98.1	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-21.5	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

Injection	Nominal Value	Unit
Processing (Melt) Temp	193 - 204	°C
Extrusion	Nominal Value	Unit
Melt Temperature	174 - 179	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	C mold, 510mm/min	

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#### Recommended distributors for this material

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