

# Geon™ Vinyl Flexible A87UB

Flexible Polyvinyl Chloride

PolyOne Corporation

## Message:

Geon™ Vinyl Flexible A87UB 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 A87UB's application fields include hoses and construction applications. The main characteristics are: UV stability.

General Information			
Additive	Insecticide UV stabilizer		
Features	UV absorption		
Uses	Floor Material Pipe Pipe fittings		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Extrusion Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	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	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>			ASTM D638
Fracture	17.2	MPa	ASTM D638
100% strain	10.3	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	320	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>3</sup>	87.6	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-39.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	24	%	ASTM D2863
Injection	Nominal Value	Unit	Test Method
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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