

Geon™ Vinyl Flexible A85U1

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

General Purpose Clear PVC Compound with low level of UV inhibitor for interior applications.

General Information	
Features	General Purpose
Uses	Flooring
	General Purpose
	Hose
	Tubing
Appearance	Clear/Transparent
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	17.7	MPa	
100% Strain	10.7	MPa	
Tensile Elongation ² (Break)	370	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	82.3	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-27.5	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	25	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	193 to 204	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	174 to 179	°C	
NOTE			
1.	510 mm/min		

2.	510 mm/min
3.	Die C, 510 mm/min

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