

Geon™ Vinyl Flexible B83UB

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B83UB is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Sporting Goods.

Characteristics include:

Flame Retardant

UV Stabilized

General Information			
Additive	Biocide		
	UV Stabilizer		
Features	Flame Retardant		
	UV Absorbing		
Uses	Profiles		
	Spas		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 15 sec	83		
Shore D	44		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	17.2	MPa	
100% Strain	9.65	MPa	
Tensile Elongation ² (Break)	330	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.0	°C	ASTM D746
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	

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Recommended distributors for this material

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