

Geon™ Vinyl Flexible B87FB

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible B87FB is a Flexible Polyvinyl Chloride product. It can be processed by extrusion, injection molding, or sheet extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame retardant.

General Information			
Additive	Biocide		
Features	Flame Retardant		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Sheet Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	87		
Shore A, 15 sec	80		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	15.2	MPa	
100% Strain	8.27	MPa	
Tensile Elongation ² (Break)	300	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-30.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (3.18 mm)	25	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	191 to 202	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	174 to 179	°C	

NOTE	
1.	Type IV, 510 mm/min
2.	Type IV, 510 mm/min

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