

Geon™ Vinyl Flexible XV3830B

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible XV3830B is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

High Gloss

Low Temperature Resistant

General Information	
Features	General Purpose
	High Gloss
	Low Temperature Resistant
Uses	General Purpose
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	20.9	MPa	ASTM D638
Tensile Elongation ² (Break)	250	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	83.2	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-50.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	177 to 182	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	193 to 204	°C	

NOTE	
1.	Type IV, 510 mm/min
2.	Type IV, 510 mm/min
3.	Die C, 510 mm/min

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