

Geon™ Vinyl Flexible B5D05

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

A flexible PVC Compound, designed primarily for extruded sheet and tile applications.

General Information			
Features	General Purpose		
Uses	Consumer Applications		
	Furniture		
	General Purpose		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	58		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	20.5	MPa	
100% Strain	17.4	MPa	
Tensile Elongation ² (Break)	310	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-11.0	°C	ASTM D746
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	26	%	ASTM D2863
Injection	Nominal Value	Unit	
Processing (Melt) Temp	196 to 207	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	179 to 185	°C	
NOTE			
1.	510 mm/min		
2.	51 mm/min		

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