

Geon™ Vinyl Flexible C70UB

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Flexible C70UB is a Flexible Polyvinyl Chloride product. It can be processed by coextrusion, extrusion, injection molding, or profile extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: uv stabilized.

General Information			
Additive	Biocide		
	UV Stabilizer		
Features	Medium Gloss		
	UV Absorbing		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	70		
Shore A, 15 sec	64		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	9.65	MPa	
100% Strain	4.34	MPa	
Tensile Elongation ² (Break)	390	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	35.0	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	20	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	81.4	MPa	
-46°C	310	MPa	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-42.2	°C	ASTM D746
Injection	Nominal Value	Unit	

Processing (Melt) Temp	193 to 199	°C
Extrusion	Nominal Value	Unit
Melt Temperature	171 to 177	°C
NOTE		
1.	Type IV, 510 mm/min	
2.	Type IV, 510 mm/min	
3.	Die C, 510 mm/min	

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Recommended distributors for this material

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