

Geon™ SF M7100

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ SF M7100 is a Rigid Polyvinyl Chloride product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of Geon™ SF M7100 include construction applications and outdoor applications.

Characteristics include:

High Flow

Impact Resistant

General Information			
Features	General Purpose		
	High Flow		
	High Impact Resistance		
Uses	Construction Applications		
	General Purpose		
	Outdoor Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	81		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2530	MPa	ASTM D638
Tensile Strength ² (Yield)	47.6	MPa	ASTM D638
Tensile Elongation ³ (Break)	13	%	ASTM D638
Flexural Modulus	2920	MPa	ASTM D790
Flexural Strength	80.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Injection Molded)	640	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	61.1	°C	
0.45 MPa, Annealed, 3.18 mm	67.8	°C	
1.8 MPa, Unannealed, 3.18 mm	55.6	°C	
1.8 MPa, Annealed, 3.18 mm	63.3	°C	
NOTE			
1.	Type I, 51 mm/min		

2.	Type I, 51 mm/min
3.	Type I, 51 mm/min

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