

Geon™ Vinyl Rigid Extrusion L7703

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion L7703 is a rigid PVC product. It can be processed by extrusion molding of profiles and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: outdoor applications.

General Information			
Uses	Outdoor application		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
PVC Cell Classification	1-42234-33-0101		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	3280	MPa	ASTM D638
Tensile Strength ² (Yield)	43.6	MPa	ASTM D638
Flexural Modulus	3350	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	480	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	75.6	J/cm	ASTM D4226
23°C ⁴	75.6	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	73.9	°C	ASTM D648
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
Ease of Sizing	Good		
注释:分档是采用注塑模制样品进行缺口摆锤冲击试验确定的.			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	182 - 199	°C	
NOTE			
1.	Type 1, 5.1 mm/min		
2.	Type 1, 5.1 mm/min		
3.	Procedure A, C.125 Throwing		
4.	Procedure B, C.125 Throwing		

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