

Geon™ Vinyl Rigid Extrusion 87358

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion 87358 is a rigid polyvinyl chloride product. It can be processed by sheet extrusion or thermoforming and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics are: high gloss.

General Information			
Features	Highlight		
Forms	Particle		
Processing Method	Sheet extrusion molding		
	Thermoforming		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
PVC Cell Classification	15343		ASTM D1784

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	81		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2560	MPa	ASTM D638
Tensile Strength ² (Yield)	46.5	MPa	ASTM D638
Flexural Modulus	2740	MPa	ASTM D790
Flexural Strength	78.6	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	580	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	330	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	420	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	63.2	J/cm	ASTM D4226
23°C ⁴	199	J/cm	ASTM D4226

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	60.6	°C	ASTM D648
CLTE - Flow	7.4E-5	cm/cm/°C	ASTM D696

Additional Information			
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.			

Extrusion	Nominal Value	Unit
Melt Temperature	188 - 193	°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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