

Geon™ Vinyl Rigid Extrusion 87560

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™Vinyl Rigid Extrusion 87560 is a rigid polyvinyl chloride product. It can be processed by sheet extrusion molding and is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

General Information			
UL YellowCard	E41877-462268		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
PVC Cell Classification	12443		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2730	MPa	ASTM D638
Tensile Strength ² (Yield)	51.8	MPa	ASTM D638
Flexural Modulus	2920	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18mm, injection molding	75	J/m	ASTM D256A
Transverse flow: 23°C, 3.18mm, molded	53	J/m	ASTM D256A
Flow: 23°C, 3.18mm, molded	85	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	60.1	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)	65.0	°C	ASTM D648
Vicat Softening Temperature			
--	82.2	°C	ISO 306 ⁵
--	73.1	°C	ISO 306 ⁶
CLTE - Flow	7.2E-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	191 - 204	°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
5.	标准 B (120°C/h), 压力1 (10N)
6.	标准 B (120°C/h), 载荷2 (50N)

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

