

Geon™ Vinyl Dry Blend E6950

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon™ Vinyl Dry Blend E6950 is a Rigid Polyvinyl Chloride product. It can be processed by extrusion and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Plumbing/Piping/Potable Water.

Characteristics include:

Flame Rated

Impact Resistant

General Information			
UL YellowCard	E41877-234249		
Features	Medium Impact Resistance		
Agency Ratings	NSF 51 3		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
PVC Cell Classification	1-41443-33-0000		ASTM D4216
PVC Cell Classification	16354		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	2760	MPa	ASTM D638
Tensile Strength ² (Yield)	46.9	MPa	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	95.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact - Across Flow (23°C, 3.18 mm, Compression Molded)	1100	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C ³	57.8	J/cm	
23°C ⁴	200	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (1.8 MPa, Annealed, 3.18 mm, Compression Molded)	73.9	°C	ASTM D648
CLTE - Flow	6.3E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method

Flame Rating

5VA

UL 94

Extrusion

Nominal Value

Unit

Melt Temperature

191 to 204

°C

NOTE

- | | |
|----|-------------------------|
| 1. | Type I, 5.1 mm/min |
| 2. | Type I, 5.1 mm/min |
| 3. | Procedure A, C.125 Dart |
| 4. | Procedure B, C.125 Dart |
| 5. | Annealed at 50 deg.C |

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