

# Geon™ Vinyl Dry Blend E1355

Rigid Polyvinyl Chloride

PolyOne Corporation

Message:

Geon E1355 is not recommended for traditional pipe extrusion applications, where Geon E1354 performs well. Major application is spiral hose re-inforcement.

General Information			
Uses	Automotive Interior Parts		
	Hose		
	Profiles		
	Tubing		
Agency Ratings	NSF 14		
	NSF 61		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm <sup>3</sup>	ASTM D792
PVC Cell Classification	12454		ASTM D1784
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	2960	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	50.2	MPa	ASTM D638
Flexural Modulus	2960	MPa	ASTM D790
Flexural Strength	93.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm, Compression Molded)	54	J/m	ASTM D256A
Drop Impact Resistance			ASTM D4226
23°C <sup>3</sup>	62.7	J/cm	
23°C <sup>4</sup>	214	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	72.0	°C	ASTM D648
CLTE - Flow	5.8E-5	cm/cm/°C	ASTM D696
Extrusion	Nominal Value	Unit	
Melt Temperature	193 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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### 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

