

Westlake PVC 8150

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

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General Information

Product Description

8150 is a special purpose rigid PVC compound designed for applications requiring the following properties: weatherability, glass, impact strength and toughness, flame retardant, chemical resistance, thermoformability, extrudability in profile and sheet, as well as modability in fittings and caps.

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Chemical Resistant • Flame Retardant • Good Impact Resistance	• Good Toughness • High Gloss • High Rigidity	• Weather Resistant
Uses	• Caps	• Fittings	
Processing Method	• Injection Molding • Profile Extrusion	• Sheet Extrusion • Thermoforming	

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.45 to 1.49	g/cm ³	ASTM D792
PVC Cell Classification	14434323		ASTM D4216
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	530	J/m	ASTM D256
Tensile Impact Strength	126	kJ/m ²	ASTM D1822
Drop Impact Resistance ² (23°C)	48.9	J/cm	ASTM D4226
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Durometer Hardness (Shore D, 10 sec)	80 to 86		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	67.0	°C	ASTM D648

Additional Information

Flammability Classification, ASTM D635: SE

Notes

¹ Typical properties: these are not to be construed as specifications.

² Procedure A, C.125 Tup