

Westlake PVC 7140

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

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General Information

Product Description

7140 is a special-purpose rigid extrusion PVC compound for exterior applications. This compound is designed for applications requiring weatherability, gloss, impact strength and toughness, flame retardant, extrudability for profiles, and moldability for fittings.

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Flame Retardant	• Good Toughness	• Medium Gloss
	• Good Impact Resistance	• High Rigidity	• Weather Resistant
Uses	• Fittings	• Profiles	
Agency Ratings	• NSF STD-50	• NSF STD-61	
Processing Method	• Extrusion	• Injection Molding	• Profile Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.45 to 1.49	g/cm ³	ASTM D792
PVC Cell Classification	15344		ASTM D1784
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength (Yield)	44.8	MPa	ASTM D638
Flexural Modulus	2760	MPa	ASTM D790
Flexural Strength	83.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	800	J/m	ASTM D256
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	72.0	°C	ASTM D648
Melting Temperature	182	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	Test Method
Weatherability	F1		UL 746C

Notes

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