

Westlake PVC 7801 White

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Features	• High Impact Resistance
Uses	• Profiles
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32	g/cm ³	ASTM D792
PVC Cell Classification	16223		ASTM D1784

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength (Yield)	36.7	MPa	ASTM D638
Flexural Modulus	1960	MPa	ASTM D790
Flexural Strength	60.1	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	200	J/m	
-40°C, 6.35 mm	140	J/m	
-29°C, 3.18 mm	350	J/m	
-29°C, 6.35 mm	210	J/m	
-18°C, 3.18 mm	750	J/m	
-18°C, 6.35 mm	480	J/m	
0°C, 3.18 mm	1200	J/m	
0°C, 6.35 mm	720	J/m	
23°C, 3.18 mm	1300	J/m	
23°C, 6.35 mm	1100	J/m	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Durometer Hardness (Shore D)	78		ASTM D2240

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	66.3	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	191 to 196	°C

Notes

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