

Westlake PVC 5055 White

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Sunday, September 15, 2019

General Information

Product Description

AXIALL's Georgia Gulf 5055 White is a special purpose rigid PVC compound designed for applications requiring toughness, UL rating, ease of processing, durability, chemical resistance, and outdoor weatherability.

General

Material Status	• Commercial: Active
Availability	• North America
Features	<ul style="list-style-type: none"> • Chemical Resistant • Durable • Good Processability • Good Toughness • Weather Resistant
Agency Ratings	• UL 94
Appearance	• White
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.47	g/cm ³	ASTM D792
PVC Cell Classification	1-442-34-43		ASTM D4216
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2970	MPa	ASTM D638
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Flexural Modulus	2790	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	1200	J/m	
6.35 mm	910	J/m	
Tensile Impact Strength	158	kJ/m ²	ASTM D1822
Drop Impact Resistance ²	147	J/cm	ASTM D4226
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Durometer Hardness (Shore D)	81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed	71.0	°C	
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	182	°C

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Notes

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

² Procedure A, H.25
