

Axiall PVC 5055 White

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

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 Information			
Features	Durable		
	Good Chemical Resistance		
	Good Processability		
	Good Toughness		
	Good Weather Resistance		
Agency Ratings	UL 94		
Appearance	White		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
PVC Cell Classification	1-442-34-43		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Durometer Hardness (Shore D)	81		ASTM D2240
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 ¹	147	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.0	°C	ASTM D648
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94

Extrusion	Nominal Value	Unit
Melt Temperature	182	°C
NOTE		
1.	Procedure A, H.25	

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