

Axiall PVC 3020

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 3020 is a base for use of wood flour up to 40 percent.

- Impact strength and toughness
- Flame retardant
- Chemical resistance
- Dimensional stability

General Information			
Features	Good dimensional stability		
	Impact resistance, good		
	Good chemical resistance		
	Good toughness		
	Flame retardancy		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm³	ASTM D792
PVC Cell Classification	1-400-20-23		ASTM D4216
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Durometer Hardness (Shore D)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1970	MPa	ASTM D638
Tensile Strength (Yield)	39.6	MPa	ASTM D638
Flexural Modulus	2170	MPa	ASTM D790
Flexural Strength	66.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	1100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	66.7	°C	ASTM D648
CLTE - Flow	7.7E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	V-0		UL 94
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	163 - 168	°C	
Melt Temperature	185 - 193	°C	
Die Temperature	168 - 182	°C	
Extrusion instructions			

Extruding Wood Fiber/PVC BlendMelt Pressure: 2000 psi40 to 70% wood Flour Size 40-80 MeshDry to <8% moisture in flour.

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