Axiall PVC 8132

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

Georgia Gulf 8132 is a rigid PVC compound designed for applications where transparency is important. This product remains unchanged except for the coded name and was previoiusly identified as 3132. IT is widely used for clear profiles such as furniture trim, shower doors, and protected jalousie windows. High impact vacuum formed sheet applications are also filled with 8132. Electronic packaging products are specified using this product.
Twin screw machines may be used to convert 8132. Georgia Gulf 8132 is characterized by excellent physical properties and easy processing. It contains UV inhibitor to retard deterioration. It is available in fiberboard boxes, railroad bulk hopper cars, or bulk truck loads. 8132 is available in blue tint. It is easily colored by concentrates at the machine. Technical assistance is available on request.

General Information			
Additive	UV stabilizer		
Features	Impact resistance, good Good UV resistance Workability, good Definition, high		
Uses	Packaging Electrical components Household goods		
Appearance	Blue Clear/transparent		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.31	g/cm³	ASTM D792
PVC Cell Classification	1-444-42-33		ASTM D4216
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	112		ASTM D785
Durometer Hardness (Shore D)	78		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2450	MPa	ASTM D638
Tensile Strength (Yield)	46.2	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	78.5	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
3.18 mm	670	J/m	ASTM D256
6.35 mm	130	J/m	ASTM D256

Tensile Impact Strength	187	kJ/m²	ASTM D1822
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.7	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.02 mm)	V-0		UL 94
Optical	**Nominal Value**	**Unit**	**Test Method**
Transmittance (3180 µm)	75.0	%	ASTM D1003
Haze	5.0	%	ASTM D1003
Additional Information			
Flammability, ASTM D635: SE			
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	188	°C	

Recommended distributors for this material

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