

Axiall PVC HHP-190 FR Natural

Polyvinyl Chloride Alloy

Axiall Corporation

Message:

Georgia Gulf HHP-190 FR NATURAL is a special purpose profile extrusion alloy designed for applications requiring the following properties:

Heat Resistance and Thermal Stability

Impact Strength and Toughness

Colorability

Flame Retardant

UV Color Stability

Dimensional Stability

Chemical Resistance

General Information	
Additive	Flame retardancy
Features	Good dimensional stability
	Impact resistance, good
	Good UV resistance
	Good coloring
	Good chemical resistance
	Heat resistance, high
	Thermal stability, good
	Good toughness
	Flame retardancy
Uses	Profile
Appearance	Natural color
Processing Method	Extrusion
	Profile extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Strength (Yield)	46.2	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	76.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	530	J/m	ASTM D256

Tensile Impact Strength	96.7	kJ/m ²	ASTM D1822
Gardner Impact	133	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	96.1	°C	ASTM D648
1.8 MPa, not annealed	87.8	°C	ASTM D648
CLTE - Flow	7.4E-5	cm/cm/°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.65 mm)	V-1		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	76.7	°C	
Drying Time	2.0 - 6.0	hr	
Cylinder Zone 1 Temp.	149	°C	
Cylinder Zone 2 Temp.	154	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	166	°C	
Cylinder Zone 5 Temp.	171	°C	
Adapter Temperature	177	°C	
Melt Temperature	188 - 199	°C	
Die Temperature	177	°C	
Extrusion instructions			

Screen pack: 20/40 mesh Compression ratio: 2.0 to 2.5

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

