

Axiall PVC HHP-190 (6190)

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

HHP-190 is an AXIALL specialty purpose rigid PVC-alloy building products profile extrusion compound designed applications requiring the following properties: UV Color Stability, Impact Strength and Toughness, Chemical Resistance, Heat Resistance and Thermal Stability, Dimensional Stability, Color-ability for the Natural version.

General Information			
Features	Good dimensional stability		
	Impact resistance, good		
	Good UV resistance		
	Good color stability		
	Good coloring		
	Good chemical resistance		
	Heat resistance, high		
	Thermal stability, good		
	Good toughness		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25 - 1.29	g/cm³	ASTM D792
PVC Cell Classification	15335		ASTM D1784
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	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 (23°C, 3.18 mm)	530	J/m	ASTM D256
Tensile Impact Strength	96.7	kJ/m²	ASTM D1822
Drop Impact Resistance	1.60	J/cm	ASTM D4226
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, not annealed	172	°C	ASTM D648
1.8 MPa, annealed	190	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	7.4E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method

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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

