

HHP-190 (6190) COMPOUND - TECHNICAL DATA SHEET

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 Properties	Typical Value (English)	Typical Value (SI units)	Method
Specific Gravity (+/- 0.02)	1.27	1.27	ASTM D-792
Hardness, Shore D	80	80	ASTM D-2240
Hardness, Rockwell R	110	110	ASTM D-785
Cell Classification	15335	15335	ASTM D-1784
Coefficient of Thermal Expansion*, (-30 to 30 °C range)	4.1x10 ⁻⁵ in/in °F	7.38x10 ⁻⁵ cm/cm °C	ASTM D-696
Mechanical Properties			
Tensile Strength	6700 psi	46.23 Mpa	ASTM D-638
Tensile Modulus	350,000 psi	2415 Mpa	ASTM D-638
Tensile Impact	46 ft-lbs/in ²	93.1 kJ/m ²	ASTM D1822
Flexural Strength	11,100 psi	75.9 Mpa	ASTM D790
Flexural Modulus	350,000 psi	2415 Mpa	ASTM D790
1/8" Notched Izod Impact @ 23 °C	10 ft-lbs/in	533.9 J/m	ASTM D-256
Drop Dart Impact	3 ft-lbs/in	133.5 J/cm	ASTM D-4226
Heat Deflection Temperature °C @ 264 psi - Annealed	190 °F	87.8 °C	ASTM D-648
Heat Deflection Temperature °C @ 264 psi - Unannealed	172 °F	77.7 °C	ASTM D-648
UL Flame Rating	V0 @0.043 in	V0 @ 1.1 mm	ASTM D-3801

IMPORTANT: The technical data herein is believed to be accurate. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product. NO WARRANTY, EXPRESS OR IMPLIED, IS MADE INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein shall be construed as a license to operate under, or recommendation to infringe, any patents.

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