

# Westlake PVC HHP-190 (6190)

Westlake Chemical Corporation - Rigid Polyvinyl Chloride

Friday, September 20, 2019

## General Information

### Product Description

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

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Chemical Resistant	• Good Dimensional Stability	• Good Toughness
	• Good Color Stability	• Good Impact Resistance	• High Heat Resistance
	• Good Colorability	• Good Thermal Stability	• UV Resistant
Processing Method	• Profile Extrusion		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25 to 1.29	g/cm <sup>3</sup>	ASTM D792
PVC Cell Classification	15335		ASTM D1784
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/m <sup>2</sup>	ASTM D1822
Drop Impact Resistance	1.60	J/cm	ASTM D4226
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Durometer Hardness (Shore D)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	172	°C	ASTM D648
Deflection Temperature Under Load (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	Unit	Test Method
Flame Rating (1.1 mm)	V-0		UL 94

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.