



TECHNICAL DATA SHEET

Rigid

UV-6680

DESCRIPTION/ APPLICATION

UV-6680 is a weatherable, high-flow rigid injection molding PVC compound for exterior applications, specially formulated for outdoor UV exposure. UV-6680 was designed to be used in various accessory parts such as fence post caps, rain gutter parts, deck parts, etc.

GENERAL PROPERTIES	VALUE	METHOD
Specific Gravity (+/- 0.02)	1.40	ASTM D-792
Mold Shrinkage, 10 ⁻³ in/in	3-4	ASTM D-955
Hardness, Rockwell R	97	ASTM D-785
Flow Ratio (Distance/Wall Thickness 390-400°F)	230	Internal
MECHANICAL PROPERTIES	VALUE	METHOD
Tensile Yield Strength, psi	5,800	ASTM D-638
Tensile Modulus, psi	350,000	ASTM D-638
Flexural Strength, psi	9,500	ASTM D-790
Flexural Modulus, psi	310,000	ASTM D-790
Gardner Impact, 23°C ½" R Tup	130.0 in-lbs 2.0 in-lbs/mil	ASTM D-4226, A
1/8" Notched Izod Impact	18.0 ft-lbs/in @ 23°C	ASTM D-256
1/8" Notched Izod Impact	1.0 ft-lbs/in @ -20°C	ASTM D-256
OTHER PROPERTIES	VALUE	METHOD
Heat Deflection Temperature, °C	72 @ 66 psi	ASTM D-648
Heat Deflection Temperature, °C	70 @ 264 psi	ASTM D-648
Oxygen Index, %	35	ASTM D-2863
Flame Class	V-0	UL-94

Revision Date: 10/20/2015

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