



6110

HIGH IMPACT POLYSTYRENE

HIPS

FEATURES:

Resirene 6110 is a HIPS grade suitable for injection molding processes

- High Impact
- High Flow
- FDA: 21 CFR 177.1640
- High Productivity
- Easy processing

APPLICATIONS:

Injection molding, electronics devices, toys, remote controls

PROPERTIES

PHYSICAL

Melt Flow Rate (200 °C/5.0Kg)
Specific Gravity

English	Value	Metric	Value	METHOD
g/10 min	10.00	g/10 min	10.00	ASTM D1238
lb/in³	0.04	g/cm³	1.05	ISO 1183

MECHANICAL

Break Elongation
Tensile Modulus

%	45	%	45.0	ASTM D638
psi	240,000	MPa	1,654.7	ASTM D638

IMPACT

Notched Izod Impact (0.50 in)

ft-lbf/in	2.00	J/m	107	ASTM D256
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THERMAL

Vicat Temperature
HDT @ 264 psi (unannealed)

°F	176	°C	80	ASTM D1525
°F	160	°C	71	ASTM D648

Typical values represent average laboratory values and are intended as guides only, not as specific specification limits.
Properties designated in this standard have been determined in accordance with the current issue of the specified testing methods.

INJECTION MOLDING CONDITIONS

	°C	°F
Profile	200-230	392-446
Maximum Recommended	240	464

ADDITIONAL INFORMATION

WARNING:

Combustion of this material may cause hazardous fumes and gases that may be dangerous to one's health, especially in enclosed places. It should be noted that excessive heating or long residence times may cause degradation or yellowing.

NOTE:

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