



# 7600

## HIGH IMPACT POLYSTYRENE

### HIPS

#### FEATURES:

Resirene 7600 is a HIPS grade suitable for extrusion processes

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

#### APPLICATIONS:

Extrusion processes, toys, computer cabinets

#### PROPERTIES

PHYSICAL	English	Value	Metric	Value	METHOD
<b>Melt Flow Rate (200 °C/5.0Kg)</b>	<b>g/10 min</b>	<b>5.40</b>	<b>g/10 min</b>	<b>5.40</b>	ASTM D1238
<b>Specific Gravity</b>	<b>lb/in<sup>3</sup></b>	<b>0.04</b>	<b>g/cm<sup>3</sup></b>	<b>1.05</b>	ISO 1183
<b>MECHANICAL</b>					
<b>Break Elongation</b>	<b>%</b>	<b>73</b>	<b>%</b>	<b>73.0</b>	ASTM D638
<b>Tensile Modulus</b>	<b>psi</b>	<b>266,929</b>	<b>MPa</b>	<b>1,840.4</b>	ASTM D638
<b>IMPACT</b>					
<b>Notched Izod Impact (0.50 in)</b>	<b>ft-lbf/in</b>	<b>1.90</b>	<b>J/m</b>	<b>101</b>	ASTM D256
<b>THERMAL</b>					
<b>Vicat Temperature</b>	<b>°F</b>	<b>176</b>	<b>°C</b>	<b>80</b>	ASTM D1525
<b>HDT @ 264 psi (unannealed)</b>	<b>°F</b>	<b>160</b>	<b>°C</b>	<b>71</b>	ASTM D648

Typical values represent average laboratory values and are intended as guides only, not as specific specification limits. Properties designated in this standar 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

#### EXTRUSION CONDITIONS

	°C	°F
Feeding Zone	80	176
Initial Zone	180	356
Compression Zone	190	374
Transport Zone	200	392
Pumping Zone	210	410

#### 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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