

### FEATURES:

Resirene HF 555 is a high flow GPPS and is excellent over intricated molds and thin walls applications. It is optimum for high injection molding cycles.

- High flow
- Easy to process
- High productivity
- FDA: 21 CFR 177.1640

### APPLICATIONS:

Injection molding, disposable cups, rulers and toys

### PROPERTIES

PHYSICAL	English	Value	Metric	Value	METHOD
<b>Melt Flow Rate (200 °C/5.0Kg)</b>	<b>g/10 min</b>	<b>16.15</b>	<b>g/10 min</b>	<b>16.15</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>1.04</b>	ISO 1183
MECHANICAL					
<b>Break Elongation</b>	<b>%</b>	<b>3</b>	<b>%</b>	<b>3.5</b>	ASTM D638
<b>Tensile Modulus</b>	<b>psi</b>	<b>427,385</b>	<b>MPa</b>	<b>2,946.7</b>	ASTM D638
IMPACT					
<b>Notched Izod Impact (0.50 in)</b>	<b>ft-lbf/in</b>	<b>0.30</b>	<b>J/m</b>	<b>16</b>	ASTM D256
THERMAL					
<b>Vicat Temperature</b>	<b>°F</b>	<b>178</b>	<b>°C</b>	<b>81</b>	ASTM D1525
<b>HDT @ 264 psi (unannealed)</b>	<b>°F</b>	<b>165</b>	<b>°C</b>	<b>74</b>	ASTM D648
OPTICAL					
<b>Transmittance</b>	<b>%</b>	<b>90</b>	<b>%</b>	<b>90</b>	ASTM D1003

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

Profile	°C	°F
	170-230	338-446
Front Barrel	180-190	356-374
Nozzle	200-210	392-410
Mold	40	104

### 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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