

### FEATURES:

Resirene HH 108 is a GPPS with high molecular weight that shows a high thermal resistance and excellent mechanical properties.

- Medium flow
- Heat resistance
- High molecular weight
- FDA: 21 CFR 177.1640

### APPLICATIONS:

Foamed trays and cups

### PROPERTIES

#### PHYSICAL

	English	Value	Metric	Value	METHOD
<b>Melt Flow Rate (200 °C/5.0Kg)</b>	<b>g/10 min</b>	<b>2.69</b>	<b>g/10 min</b>	<b>2.69</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

	%	Value	%	Value	METHOD
<b>Break Elongation</b>	<b>%</b>	<b>5</b>	<b>%</b>	<b>5.1</b>	ASTM D638
<b>Tensile Modulus</b>	<b>psi</b>	<b>480,951</b>	<b>MPa</b>	<b>3,316.0</b>	ASTM D638

#### IMPACT

	ft-lbf/in	Value	J/m	Value	METHOD
<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

	°F	Value	°C	Value	METHOD
<b>Vicat Temperature</b>	<b>°F</b>	<b>216</b>	<b>°C</b>	<b>102</b>	ASTM D1525
<b>HDT @ 264 psi (unannealed)</b>	<b>°F</b>	<b>198</b>	<b>°C</b>	<b>92</b>	ASTM D648

#### OPTICAL

	%	Value	%	Value	METHOD
<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 standard have been determined in accordance with the current issue of the specified testing methods.

### INJECTION MOLDING CONDITIONS

	°C	°F
Profile	190-250	374-482
Front Barrel	200-210	392-410
Nozzle	210-220	410-428
Mold	40	104

### EXTRUSION CONDITIONS

	°C	°F
Feeding Zone	180-190	356-374
Initial Zone	190-200	374-392
Compression Zone	200-210	392-410
Transport Zone	210-220	410-428
Pumping Zone	220-230	428-446
Profile	190-250	374-482

### 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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