

FEATURES:

Resirene HH 103 is a GPPS with high molecular weight that shows a high thermal resistance and excellent mechanical resistance.

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

APPLICATIONS:

Extrusion, foaming, disposables

PROPERTIES

PHYSICAL

	English	Value	Metric	Value	METHOD
Melt Flow Rate (200 °C/5.0Kg)	g/10 min	1.88	g/10 min	1.88	ASTM D1238
Specific Gravity	lb/in³	0.04	g/cm³	1.04	ISO 1183

MECHANICAL

Break Elongation	%	6	%	5.6	ASTM D638
Tensile Modulus	psi	476,186	MPa	3,283.2	ASTM D638

IMPACT

Notched Izod Impact (0.50 in)	ft-lbf/in	0.30	J/m	16	ASTM D256
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THERMAL

Vicat Temperature	°F	228	°C	109	ASTM D1525
HDT @ 264 psi (unannealed)	°F	196	°C	91	ASTM D648

OPTICAL

Transmittance	%	90	%	90	ASTM D1003
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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.

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	200-230	392-446

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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