

**FEATURES:**

Resirene 2970 is a MIPS grade suitable for injection molding processes

- Medium Impact
- High Flow
- Easy processing
- High Productivity
- High Gloss

**APPLICATIONS:**

Injection molding, thin wall devices, toys, refrigerator parts

**PROPERTIES**

PHYSICAL	Unit	Value	Unit	Value	TEST METHOD
Specific Gravity	lb/in <sup>3</sup>	0.04	g/cm <sup>3</sup>	1.05	ISO 1183
Melt Flow Rate (200 °C/5.0Kg)	g/10 min	12	g/10 min	12	ASTM D1238
<b>MECHANICAL</b>					
Break Elongation	%	47	%	47	ASTM D638
Tensile Strength, Yield	psi	2,800	Mpa	19	ASTM D638
Flexural Modulus	psi	300,000	Mpa	2,070	ASTM D790
Tensile Modulus	psi	306,000	Mpa	2,111	ASTM D638
Flexural Strength	psi	4,800	Mpa	33	ASTM D638
<b>IMPACT</b>					
Impact Izod (0.50 in)	ft-lbf/in	1.1	J/m	59	ASTM D256
Impact Izod (0.125 in)	ft-lbf/in	1.3	J/m	69	ASTM D256
<b>THERMAL</b>					
Vicat Temperature	°F	176	°C	80	ASTM D1525
HDT @ 264 psi (unannealed)	°F	162	°C	72	ASTM D648
<b>IGNITION CHARACTERISTICS</b>					
Flammability 0.060 in	-	HB	-	HB	UL94
<b>OPTICAL</b>					
Gloss @ 60°	%	85	%	85	ASTM D523

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

**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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