

FEATURES:

Resirene HF 777 is a medium flow GPPS that combines good processability with moderate mechanical and thermal resistance.

- Medium flow
- Easy to process
- Mechanical resistance
- FDA: 21 CFR 177.1640

APPLICATIONS:

Injection molding, coextrusion, toys, disposables, blends with SBC.

PROPERTIES

PHYSICAL	English	Value	Metric	Value	METHOD
Melt Flow Rate (200 °C/5.0Kg)	g/10 min	7.87	g/10 min	7.87	ASTM D1238
Specific Gravity	g/cm³	1.05	lb/in³	0.04	ISO 1183
MECHANICAL					
Break Elongation	%	4	%	3.6	ASTM D638
Tensile Modulus	psi	461,979	MPa	3,185.2	ASTM D638
IMPACT					
Notched Izod Impact (0.50 in)	ft-lbf/in	0.30	J/m	16	ASTM D256
THERMAL					
Vicat Temperature	°F	180	°C	82	ASTM D1525
HDT @ 264 psi (unannealed)	°F	167	°C	75	ASTM D648
OPTICAL					
Transmittance	%	90	%	90	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	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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