

FEATURES

- Excellent Clarity
- Easy to Process
- Impact Resistant
- FDA Rating: 21 CFR 177.1830

APPLICATIONS

- Glassware
- Cosmetic Packaging
- Household Items
- Personal Hygiene Items

PROPERTIES

Physical	English	Value	Metric	Value	Test Method
Melt Flow Rate (200°C/5.0 Kg)	g/10 min	6	g/10 min	6	ASTM D1238
Density	lb/ft ³	66	g/cm ³	1.05	ASTM D792
Mechanical (*)					
Tensile Strength, Break	Kpsi	3.7	MPa	25	ASTM D638
Break Elongation	%	36	%	36	ASTM D638
Tensile Strength, Yield	Kpsi	5	MPa	34	ASTM D638
Yield Elongation	%	2	%	2	ASTM D638
Tensile Modulus	Kpsi	342	MPa	2,360	ASTM D638
(*) 0.2 in/min (5 mm/min)					
Impact					
Notched Izod (0.125 in / 3.175 mm)	ft-lbf/in	0.4	J/m	20	ASTM D256
Unnotched Izod (0.125 in / 3.175 mm)	ft-lbf/in	4.0	J/m	211	ASTM D256
Thermal					
Vicat Temperature	°F	213	°C	101	ASTM D1525
HDT @ 264 psi (Unannealed)	°F	166	°C	75	ASTM D648
Optical					
Haze	%	1.6	%	1.6	ASTM D1003
Light Transmittance	%	90	%	90	ASTM D1003

Properties reported in this data sheet are determined according to referred standard methods. Values shown represent averages from typical results measured in the laboratory and are provided only as a guide, not as specification limits.

INJECTION MOLDING CONDITIONS

	°C	°F
Rear	170-180	340-360
Center	180-190	360-375
Front	200-210	390-410
Maximum Recommended	250	480

ADDITIONAL INFORMATION

This product presents a very low moisture absorption and it is a common practice to process it without pre-drying; however, if it has been exposed to high humidity or in direct contact with water, it is recommended to dry it for 3 to 4 hours at 122°F (50°C).

Resirene's materials are biological and chemically inert. If possible recycling of final parts is recommended. If you require dispose it, follow indications established by government laws, related norms and the material safety data sheet.

Warning

Combustion of this material may cause hazardous fumes and gases that may be dangerous to 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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