

FEATURES:

Resirene 2210 is a MIPS grade suitable for injection molding processes

- Medium Impact
- High Flow
- FDA: 21 CFR 177.1640
- High Productivity
- Easy processing

APPLICATIONS:

Injection molding, thin wall devices, intricate molds, garment hangers

PROPERTIES

PHYSICAL	Unit	Value	Unit	Value	TEST METHOD
Specific Gravity	lb/in ³	0.04	g/cm ³	1.05	ISO 1183
Melt Flow Rate (200 °C/5.0Kg)	g/10 min	10	g/10 min	10	ASTM D1238
MECHANICAL					
Break Elongation	%	44	%	44	ASTM D638
Tensile Strength, Yield	psi	3,000	Mpa	21	ASTM D638
Flexural Modulus	psi	316,500	Mpa	2,184	ASTM D790
Tensile Modulus	psi	331,000	Mpa	2,284	ASTM D638
Flexural Strength	psi	4,900	Mpa	34	ASTM D638
IMPACT					
Impact Izod (0.50 in)	ft-lbf/in	0.8	J/m	43	ASTM D256
Impact Izod (0.125 in)	ft-lbf/in	0.9	J/m	48	ASTM D256
THERMAL					
Vicat Temperature	°F	181	°C	83	ASTM D1525
HDT @ 264 psi (unannealed)	°F	165	°C	74	ASTM D648
IGNITION CHARACTERISTICS					
Flammability 0.060 in	-	HB	-	HB	UL94

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

Resirene's materials are biological and chemical 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 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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