

Resirene HH 104

General Purpose Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene HH 104 is a GPPS with high molecular weight that shows a high thermal resistance and excellent mechanical resistance.

General Information			
UL YellowCard	E85100-251676		
Features	High Heat Resistance		
	High Molecular Weight		
	Medium Flow		
Uses	Writing Instruments		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ASTM D638
Tensile Strength (Break)	44.8	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (12.7 mm)	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.2	°C	ASTM D648
Vicat Softening Temperature	93.9	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating (1.52 mm)	HB	UL 94	
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Rear Temperature	190 to 230	°C	
Middle Temperature	190 to 230	°C	
Front Temperature	200 to 210	°C	
Nozzle Temperature	210 to 220	°C	
Mold Temperature	40.0	°C	

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