

Resirene HH 103

General Purpose Polystyrene

Resirene, S.A. de C.V.

Message:

Resirene HH 103 is a GPPS with high molecular weight that shows a high thermal resistance and excellent mechanical resistance.

General Information			
UL YellowCard	E85100-251677		
Features	Foamable		
	High Heat Resistance		
	High Molecular Weight		
	Low Flow		
Uses	Blending		
	General Purpose		
Agency Ratings	FDA 21 CFR 177.1640		
Processing Method	Extrusion		
	Foam Processing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ASTM D638
Tensile Strength (Break)	46.9	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	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)	90.0	°C	ASTM D648
Vicat Softening Temperature	97.0	°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
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 to 190	°C	
Cylinder Zone 2 Temp.	190 to 200	°C	

Cylinder Zone 3 Temp.	200 to 210	°C
Cylinder Zone 4 Temp.	210 to 220	°C
Cylinder Zone 5 Temp.	220 to 230	°C

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