

Resirene® HH 104

Resirene, S.A. de C.V. - General Purpose Polystyrene

General Information

Product Description

FEATURES

- Medium Flow
- Heat Resistance
- Good Mold Release
- FDA Rating: 21 CFR 177.1640

APPLICATIONS

- Injection Molding
- Pen Barrels
- Disposable Items
- Scholar and Office Supplies

General

Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Features	• Good Mold Release	• High Heat Resistance	• Medium Flow
Uses	• Single-Use Applications	• Writing Instruments	
Agency Ratings	• FDA 21 CFR 177.1640		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	500000	psi	ASTM D638
Tensile Strength (Break)	6670	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ASTM D648
Vicat Softening Temperature	225	°F	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Light Transmittance	90.0	%	ASTM D1003

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	392 to 410	°F
Middle Temperature	410 to 428	°F
Front Temperature	428 to 446	°F
Nozzle Temperature	446 to 464	°F

