

Resirene® HF 555

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

General Information

Product Description

FEATURES

- High Flow
- Easy to Process
- High Productivity
- Ideal for Thin Wall and Complex Parts
- FDA Rating: 21 CFR 177. 1640

APPLICATIONS

- Injection Molding
- Coextrusion
- Cutlery
- Toys

General

Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Features	• Fast Molding Cycle	• Good Processability	• High Flow
Uses	• Kitchenware	• Thin-walled Parts	• Toys
Agency Ratings	• FDA 21 CFR 177.1640		
Processing Method	• Coextrusion	• 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)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	525000	psi	ASTM D638
Tensile Strength (Break)	5510	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	165	°F	ASTM D648
Vicat Softening Temperature	178	°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	374 to 392	°F
Middle Temperature	392 to 410	°F
Front Temperature	410 to 428	°F
Nozzle Temperature	428 to 446	°F

