

Resirene® 2210

Resirene, S.A. de C.V. - High Impact Polystyrene

General Information

Product Description

FEATURES

- High Flow
- High Impact
- High Productivity
- Easy to process
- FDA: 21 CFR 177.1640

APPLICATIONS

- Injection molding
- Thin wall items
- Intricate molds
- Toys
- Dairy Product containers

General

Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Features	• Fast Molding Cycle	• Good Processability	• High Impact Resistance
	• Food Contact Acceptable	• High Flow	
Uses	• Food Containers	• Thin-walled Parts	
	• Molds/Dies/Tools	• Toys	
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)	16	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	290000	psi	ASTM D638
Tensile Strength (Break)	2030	psi	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	163	°F	ASTM D648
Vicat Softening Temperature	181	°F	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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

