



# 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

Features	<ul style="list-style-type: none"> <li>• Fast Molding Cycle</li> <li>• Food Contact Acceptable</li> </ul>	<ul style="list-style-type: none"> <li>• Good Processability</li> <li>• High Flow</li> </ul>	<ul style="list-style-type: none"> <li>• High Impact Resistance</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Food Containers</li> <li>• Molds/Dies/Tools</li> </ul>	<ul style="list-style-type: none"> <li>• Thin-walled Parts</li> <li>• Toys</li> </ul>	
Agency Ratings	<ul style="list-style-type: none"> <li>• FDA 21 CFR 177.1640</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>• Injection Molding</li> </ul>		

## Properties <sup>1</sup>

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
Injection	Nominal Value	Unit
Nozzle Temperature	428 to 446	°F