Resirene® 4220

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 processes
- Electronic items
- Printers
- Toys

General			
Features	• Fast Molding Cycle • Good Processability	• High Flow • High Impact Resistance	
Uses	• Electrical/Electronic Applications	• Printer	• 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)	8.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	290000	psi	ASTM D638
Tensile Strength (Break)	2470	psi	ASTM D638
Tensile Elongation (Break)	50	%	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			ASTM D648
264 psi, Unannealed	162	°F	
Vicat Softening Temperature	176	°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