



Resirene® 7600

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

General Information

Product Description

FEATURES

- High Impact
- Medium Flow
- High Productivity
- Easy to Process
- FDA Rating: 21 CFR 177.1640

APPLICATIONS

- Extrusion processes
- Computer cabinets
- Intricate molds
- Blends with GPPS
- Thermoforming

General

Features	<ul style="list-style-type: none"> • Fast Molding Cycle • Good Processability 	<ul style="list-style-type: none"> • High Impact Resistance • Medium Flow
Uses	<ul style="list-style-type: none"> • Blending • Computer Components 	<ul style="list-style-type: none"> • Molds/Dies/Tools • Thermoforming Applications
Agency Ratings	<ul style="list-style-type: none"> • FDA 21 CFR 177.1640 	
Processing Method	<ul style="list-style-type: none"> • Extrusion 	<ul style="list-style-type: none"> • Injection Molding • Thermoforming

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	290000	psi	ASTM D638
Tensile Strength (Break)	2760	psi	ASTM D638
Tensile Elongation (Break)	60	%	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	169	°F	ASTM D648
Vicat Softening Temperature	185	°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

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Injection	Nominal Value	Unit
Nozzle Temperature	428 to 446	°F

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	176	°F
Cylinder Zone 2 Temp.	356 to 374	°F
Cylinder Zone 3 Temp.	374 to 392	°F
Cylinder Zone 4 Temp.	392 to 410	°F
Cylinder Zone 5 Temp.	410 to 428	°F
Melt Temperature	428	°F