

Technical Information



CALIBRE™ 2061-30

Polycarbonate Resin

Overview

CALIBRE™ 2061-30 resin is suitable for steam and ethylene oxide sterilization required by the health care industry. CALIBRE 2061-30 provides extremely high flow, ease of processability and has low contamination levels suitable for thin wall application. CALIBRE 2061-30 compliance with ISO 10993 (Biological Evaluation of Medical Devices). This product contains mold release.

Govt. and Industry Standards

- ISO 10993

Benefits

- High Flow, easy processing

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	30 g/10 min	30 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus ¹	320000 psi	2210 MPa	ASTM D638
Tensile Strength ² (Yield)	9000 psi	62.1 MPa	ASTM D638
Tensile Elongation ² (Break)	120 %	120 %	ASTM D638
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	11 ft-lb/in	610 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	293 °F	145 °C	ASTM D1525 ³
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	248 °F	120 °C	
Drying Time	4.0 hr	4.0 hr	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ 0.039 in/min (1.0 mm/min)

² 2.0 in/min (50 mm/min)

³ Rate A (50°C/h), Loading 2 (50 N)

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