TRINSEO™

CALIBRE™ 201-10
Polycarbonate Resin

Overview

CALIBRE™ 201-10 is produced in compliance with the US Food and Drug Administration (FDA) and EU food contact regulations. It provides excellent impact resistance, heat distortion resistance and optical clarity. CALIBRE 201-10 product is formulated with mold release.

Govt. and Industry Standards:

- U.S. FDA 21 CFR 177.1580
- Underwriters Laboratory (UL)
- EU food contact 2011/10/EC

Applications:

- Food and processor housings
- Liquid containers
- Food utensils
- Packaging applications

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.20	g/cm³	1.20	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	10	g/10 min	ISO 1133
Molding Shrinkage - Flow	5.0E-3 to 7.0E-3	in/in	0.50 to 0.70	%	ISO 294-4
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus	334000	psi	2300	MPa	ISO 527-2/50
Tensile Stress					ISO 527-2/50
Yield	8700	psi	60.0	MPa	
Break	10300	psi	71.0	MPa	
Tensile Strain					ISO 527-2/50
Yield	6.0	%	6.0	%	
Break	150	%	150	%	
Flexural Modulus [1]	348000	psi	2400	MPa	ISO 178
Flexural Stress [1]	14100	psi	97.0	MPa	ISO 178
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Notched Izod Impact Strength (73°F (23°C))	42	ft·lb/in²	88	kJ/m²	ISO 180/4A
Unnotched Izod Impact Strength (73°F (23°C))	No Break		No Break		ISO 180
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Heat Deflection Temperature					
66 psi (0.45 MPa), Annealed	291	°F	144	°C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	257	°F	125	°C	ISO 75-2/A
264 psi (1.8 MPa), Annealed	286	°F	141	°C	ISO 75-2/A
Vicat Softening Temperature	300	°F	149	°C	ISO 306/B50
Ball Indentation Temperature	257	°F	125	°C	IEC 60335-1
Electrical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Comparative Tracking Index					IEC 60112
0.0787 in (2.00 mm)	250	V	250	V	
Flammability	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Flame Rating [2]					UL 94
0.06 in (1.6 mm)	HB		HB		
0.13 in (3.2 mm)	HB		HB		

Optical	Nominal Value (English)		Nominal Value (SI)		Test Method
Transmittance	87.0 to 91.0	%	87.0 to 91.0	%	ASTM D1003