

PC 106 Polycarbonate Resin

Overview Under the umbrella of Heathland compounding, Trinseo offers compounds made from fully mechanically recycled feedstocks, offering a substantial reduction in carbon footprint versus fossil countertypes.

Grade PC 106 is a opal – opaque white polycarbonate resin made from pre-consumer streams (PIR) and is specially designed for extrusion and compounding applications.

Main Characteristics:

- Substantial reduced carbon footprint
- Adequate optical properties
- Pleasant natural white colour
- Comparable processing to fossil polycarbonate countertype

Applications:

- General purpose extrusion or compounding feedstock

Physical	Nominal Value	(SI)	Test Method
Density	1.20	g/cm ³	ISO 1183/B
Melt Mass-Flow Rate (MFR) 300°C / 1.2kg	8	g/10min	ISO 1133
Molding Shrinkage - Flow	0.50 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	(SI)	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/50
Tensile Strength			ISO 527-2/50
Yield	64	MPa	
Break	67	MPa	
Tensile Elongation			ISO 527-2/50
Yield	6.2	%	
Break	102	%	
Impact	Nominal Value	(SI)	Test Method
Izod Notched Impact (23°C)	660	J/m	ASTM D256
Thermal	Nominal Value	(SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), unannealed	126	°C	ISO 75-2/A
Optical	Nominal Value	(SI)	Test Method
Transmittance (3mm)	N/A	%	ASTM D1003
Haze (3mm)	35	%	ASTM D1003

Notes

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

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