

Opticarb 6085C

Polycarbonate + ABS

The Materials Group

Message:

Opticarb 6085C is a Polycarbonate + ABS (PC+ABS) material. It is available in North America.

Typical application of Opticarb 6085C: Automotive

General Information			
Features	General Purpose		
Uses	General Purpose		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	19	g/10 min	ISO 1133
Molding Shrinkage			
Flow	0.60	%	ASTM D955
Across Flow	0.80	%	ISO 294-4
Flow	0.82	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	52.0	MPa	ISO 527-2
Tensile Strain (Break)	27	%	ISO 527-2
Flexural Modulus	2560	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	11	kJ/m ²	
23°C	45	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-30°C	11	kJ/m ²	
23°C	22	kJ/m ²	
Multi-Axial Instrumented Impact Energy			ISO 6603-2
-30°C	18.6	J	
23°C	37.4	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	116	°C	ISO 75-2/B
1.8 MPa, Unannealed	102	°C	ISO 75-2/A
Vicat Softening Temperature	115	°C	ISO 306
Injection	Nominal Value	Unit	
Drying Temperature	104 to 110	°C	

Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.040	%
Processing (Melt) Temp	246 to 277	°C

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Recommended distributors for this material

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