

Optital 900C

Acetal (POM) Copolymer

The Materials Group

Message:

Optital 900C is an Acetal (POM) Copolymer material. It is available in North America for injection molding.

General Information			
Uses	General Purpose		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	61.3	MPa	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	2320	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	64	J/m	ASTM D256
Tensile Impact Strength ¹ (1.60 mm)	120	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	158	°C	
1.8 MPa, Unannealed	110	°C	
Melting Temperature	165	°C	
Injection	Nominal Value	Unit	
Rear Temperature	170	°C	
Middle Temperature	180	°C	
Front Temperature	190	°C	
Nozzle Temperature	180 to 210	°C	
Processing (Melt) Temp	200	°C	
NOTE			
1.	Type S		

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Recommended distributors for this material

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