

# OP - ABS ABS 20CCF

Acrylonitrile Butadiene Styrene

Oxford Polymers

## Message:

OP - ABS ABS 20CCF is an Acrylonitrile Butadiene Styrene (ABS) material filled with 20% carbon fiber. It is available in North America for injection molding. Important attributes of OP - ABS ABS 20CCF are:

Flame Rated

Conductive

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Features	Conductive		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	110	MPa	
Break	110	MPa	
Flexural Modulus	10000	MPa	ASTM D790
Flexural Strength	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (4°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 3.18 mm	96.1	°C	
1.8 MPa, Unannealed, 3.18 mm	87.8	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		
3.18 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	188 to 210	°C	
Middle Temperature	204 to 227	°C	
Front Temperature	216 to 238	°C	
Processing (Melt) Temp	218 to 249	°C	
Mold Temperature	48.9 to 71.1	°C	

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Recommended distributors for this material

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