

Edgetek™ COC BLEND-15GF Natural

Cyclic Olefin Copolymer

PolyOne Corporation

Message:

Edgetek™ COC BLEND-15GF Natural is a Cyclic Olefin Copolymer (COC) product filled with glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Filler / Reinforcement	Glass Fiber		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.10 to 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	5490	MPa	ASTM D638
Tensile Strength ² (Break)	75.8	MPa	ASTM D638
Tensile Elongation ³ (Break)	1.5	%	ASTM D638
Flexural Modulus ⁴	5170	MPa	ASTM D790
Flexural Strength ⁵	121	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	43	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	104	°C	
1.8 MPa, Unannealed	98.0	°C	
NOTE			
1.	5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		
4.	1.3 mm/min		
5.	1.3 mm/min		

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Recommended distributors for this material

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