

Edgetek™ QT-15GF/000 natur SO

Syndiotactic Polystyrene

PolyOne Corporation

Message:

Edgetek™ QT-15GF/000 natur SO is a Syndiotactic Polystyrene (SPS) product filled with 15% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.14	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage - Flow ²	0.50 to 1.0	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ³ (23°C, 4.00 mm, Injection Molded)	5400	MPa	ISO 527
Tensile Strength ⁴ (Break, 23°C, 4.00 mm, Injection Molded)	89.0	MPa	ISO 527
Tensile Elongation ⁵ (Break, 23°C, 4.00 mm, Injection Molded)	1.7	%	ISO 527
Flexural Modulus (23°C)	5300	MPa	ISO 178
Flexural Strength (23°C)	118	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C, Injection Molded)	6.3	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C, Injection Molded)	25	kJ/m ²	ISO 179
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	270 to 320	°C	
Mold Temperature	80.0 to 150	°C	
NOTE			
1.	±0.05		
2.	Bergmann method		
3.	1.0 mm/min		
4.	5.0 mm/min		
5.	5.0 mm/min		

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