

Edgetek™ QT020GFS/000 FR NATURAL - "OBSOLETE"

Syndiotactic Polystyrene

PolyOne Corporation

Message:

Edgetek™ QT020GFS/000 FR NATURAL - "OBSOLETE" is a Syndiotactic Polystyrene (SPS) product filled with 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		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 to 0.50	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	9000	MPa	ISO 527
Tensile Strength ² (Break)	120	MPa	ISO 527
Tensile Elongation ³ (Break)	1.3	%	ISO 527
Flexural Modulus	9500	MPa	ISO 178
Flexural Strength	170	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.5	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	34	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	230	°C	ISO 75-2/A
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.	Type I, 5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		

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