

Edgetek™ sPS QT-40GF/000 NATURAL (EM00004141BJ)

Syndiotactic Polystyrene

PolyOne Corporation

Message:

Edgetek™SPS QT-40GF/000 NATURAL (EM00004141BJ) is an syndiotactic polystyrene (SPS) product, which contains a glass fiber reinforced material. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The main characteristics are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 - 0.80	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹	12800	MPa	ISO 527
Tensile Strength ² (Break)	150	MPa	ISO 527
Tensile Elongation ³ (Break)	1.0 - 1.5	%	ISO 527
Flexural Modulus	10800	MPa	ISO 178
Flexural Strength	185	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	7.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	35	kJ/m ²	ISO 179
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+17	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	270 - 320	°C	
Mold Temperature	150	°C	

NOTE	
1.	Type 1, 5.0 mm/min
2.	Type 1, 5.0 mm/min
3.	Type 1, 5.0 mm/min

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