Edgetek™ ET3300-5007 Natural FD

Polybutylene Terephthalate

PolyOne Corporation

Message:

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads.

General Information	
Features	Filled Food Contact Acceptable Good Dimensional Stability Low Moisture Absorption Low to No Water Absorption
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density [1] (23°C)	1.52	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (23°C, 4.00 mm, Injection Molded)	9500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C, 4.00 mm)	135	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C, 4.00 mm, Injection Molded)	3.0	%	ISO 527-2/5
Flexural Stress	205	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C, Injection Molded)	10	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C, Injection Molded)	60	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	220 to 225	°C	ISO 75-2/B
1.8 MPa, Unannealed	215	°C	ISO 75-2/A
Melting Temperature (DSC)	220 to 225	°C	ISO 3146
Flammability	**Nominal Value**		**Test Method**

Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	221 to 226	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	280	°C	
Cylinder Zone 2 Temp.	260	°C	
Cylinder Zone 3 Temp.	250	°C	
Die Temperature	240	°C	
NOTE			
1.	±0.03		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China