Rynite® FR945 BK507

PET-(MD+GF)45 FR(17) Celanese

Product Texts

Rynite® FR945 BK507 is a 45% Glass/Mineral Reinforced, Flame Retardant, Polyethylene Terephthalate

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.5**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.9**	%	ISO 294-4, 2577
[C] Ejection temperature	**170**	°C	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**12800**	MPa	ISO 527
[C] Stress at break	**92**	MPa	ISO 527
[C] Strain at break	**1.2**	%	ISO 527
Flexural modulus, 23°C	**12500**	MPa	ISO 178
[C] Charpy impact strength, +23°C	**20**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**4**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**4**	kJ/m²	ISO 180/1A

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**250**	°C	ISO 11357-1/-3
[C] Temp. of deflection under load, 1.80 MPa	**200**	°C	ISO 75-1/-2
[C] Temp. of deflection under load, 0.45 MPa	**240**	°C	ISO 75-1/-2
[C] Burning Behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-
[C] Burning Behav. at thickness h	**V-0**	class	IEC 60695-11-10
Thickness tested	**0.8**	mm	-
Yellow Card available	**yes**	-	-
[C] Burning Behav. 5V at thickness h	**5VA**	class	IEC 60695-11-20
Thickness tested	**1.5**	mm	-
Yellow Card available	**yes**	-	-
ASTM Data			
UL 94 Flame rating	**V-0**	-	UL 94
Thickness tested	**1.5**	mm	-

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1850**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Features
Low Warpage, Thermal Stability

Delivery form
Black

Applications
Electrical and Electronical

Special Characteristics
Flame retardant, Heat stabilized or stable to heat

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa