

Product Texts

Rynite® SST35 BK503 is a 35% Glass Reinforced, Toughened, Polyethylene Terephthalate with Improved Impact and Stiffness

Processing/Physical Characteristics**Value****Unit****Test Standard****ISO Data**^[C] Ejection temperature**170**

°C

-

[C]: CAMPUS

Mechanical properties**Value****Unit****Test Standard****ISO Data**^[C] Tensile Modulus**7500**

MPa

ISO 527

^[C] Stress at break**94**

MPa

ISO 527

^[C] Strain at break**6**

%

ISO 527

^[C] Charpy impact strength, +23°C**71**kJ/m²

ISO 179/1eU

^[C] Charpy notched impact strength, +23°C**22**kJ/m²

ISO 179/1eA

^[C] Charpy notched impact strength, -30°C**14**kJ/m²

ISO 179/1eA

[C]: CAMPUS

Thermal properties**Value****Unit****Test Standard****ISO Data**^[C] Temp. of deflection under load, 1.80 MPa**212**

°C

ISO 75-1/-2

^[C] Burning Behav. at 1.5 mm nom. thickn.**HB**

class

IEC 60695-11-10

Thickness tested

1.5

mm

-

Yellow Card available

yes

-

-

^[C] Burning Behav. at thickness h**HB**

class

IEC 60695-11-10

Thickness tested

0.8

mm

-

Yellow Card available

yes

-

-

[C]: CAMPUS

Electrical properties**Value****Unit****Test Standard****ISO Data**^[C] Relative permittivity, 100Hz**4.9**

-

IEC 62631-2-1

^[C] Relative permittivity, 1MHz**4.4**

-

IEC 62631-2-1

^[C] Dissipation factor, 100Hz**563**

E-4

IEC 62631-2-1

^[C] Dissipation factor, 1MHz**210**

E-4

IEC 62631-2-1

^[C] Comparative tracking index**400**

-

IEC 60112

[C]: CAMPUS

Other properties**Value****Unit****Test Standard**^[C] Density**1520**kg/m³

ISO 1183

[C]: CAMPUS

Characteristics**Processing**

Injection Molding

Delivery form

Black

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

North America, Europe, Asia Pacific, South and Central America