Rynite® 935SUV BK593

PET-(P+GF)35 Celanese

Product Texts

Common features of Rynite® thermoplastic polyester include mechanical and physical properties such as excellent balance of strength and stiffness, dimensional stability, creep resistance, heat resistance, high surface gloss and good inherent electrical properties at elevated temperature. It can be processed over a broad temperature range and has excellent flow properties.

Rynite® thermoplastic polyester resins are typically used in demanding applications in the automotive, electrical and electronics, appliances where they successfully replace metals and thermosets, as well as other thermoplastic polymers.

Rynite® 935SUV BK593 is a 35% mica/glass reinforced, UV stabilized, modified polyethylene terephthalate resin with low warpage, developed for long-term outdoor applications.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
[C] Molding shrinkage, parallel	**0.3**	%	ISO 294-4, 2577
[C] Molding shrinkage, normal	**0.7**	%	ISO 294-4, 2577
[C] Ejection temperature	**170**	°C	-

[C]: CAMPUS

Mechanical properties	Value	Unit	Test Standard
ISO Data			
[C] Tensile Modulus	**9700**	MPa	ISO 527
[C] Stress at break	**80**	MPa	ISO 527
[C] Strain at break	**2.3**	%	ISO 527
[C] Charpy impact strength, +23°C	**24**	kJ/m²	ISO 179/1eU
[C] Charpy notched impact strength, +23°C	**5**	kJ/m²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	Value	Unit	Test Standard
ISO Data			
[C] Melting temperature, 10°C/min	**252**	°C	ISO 11357-1/-3

[C]: CAMPUS

Other properties	Value	Unit	Test Standard
[C] Density	**1570**	kg/m³	ISO 1183

[C]: CAMPUS

Characteristics

Processing
Injection Molding

Delivery form
Pellets, Black

Additives
Release agent

Special Characteristics
Light stabilized or stable to light, U.V. stabilized or stable to weather

Features
Low Warpage

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