

# DuPont™ Rynite® PET

thermoplastic polyester resin

## PRELIMINARY DATA

### Rynite® 935SUV BK593

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

Property	Test Method	Units	Value
<b>Identification</b>			
Resin Identification	ISO 1043		PET-(MD+GF)35
Part Marking Code	ISO 11469		>PET-(MD+GF)35<
<b>Mechanical</b>			
Stress at Break	ISO 527	MPa (kpsi)	80 (11.6)
Strain at Break	ISO 527	%	2.3
Tensile Modulus	ISO 527	MPa (kpsi)	9700 (1400)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m <sup>2</sup>	5
Unnotched Charpy Impact Strength	ISO 179/1eU	kJ/m <sup>2</sup>	22
<b>Thermal</b>			
Melting Temperature 10°C/min	ISO 11357-1/-3	°C (°F)	252 (485)
<b>Other</b>			
Density	ISO 1183	kg/m <sup>3</sup> (g/cm <sup>3</sup> )	1570 (1.57)
Molding Shrinkage	ISO 294-4	%	
Normal, 2.0mm			0.7
Parallel, 2.0mm			0.3

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.

ISO Mechanical properties measured at 4.0mm, ISO Electrical properties measured at 2.0mm, and all ASTM properties measured at 3.2mm.

Test temperatures are 23°C unless otherwise stated.

**The above data are preliminary and are subject to change as additional data are developed on subsequent lots.**

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## Rynite® 935SUV BK593

Property	Test Method	Units	Value
<b>Processing</b>			
Melt Temperature Range		°C (°F)	280-300 (535-570)
Melt Temperature Optimum		°C (°F)	285 (545)
Mold Temperature Range		°C (°F)	>95 (>205)
Mold Temperature Optimum		°C (°F)	110 (230)
Drying Time, Dehumidified Dryer		h	4
Drying Temperature		°C (°F)	120 (250)
Processing Moisture Content		%	<0.02

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