

# Rynite® 935SUV BK593

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

Message:

35% Glass Reinforced, UV Stabilized, Polyethylene Terephthalate

| General Information                     |                                            |                   |             |
|-----------------------------------------|--------------------------------------------|-------------------|-------------|
| Filler / Reinforcement                  | Glass\Mineral,35% Filler by Weight         |                   |             |
| Additive                                | Mold Release                               |                   |             |
|                                         | UV Stabilizer                              |                   |             |
| Forms                                   | Pellets                                    |                   |             |
| Processing Method                       | Injection Molding                          |                   |             |
| Multi-Point Data                        | Isothermal Stress vs. Strain (ISO 11403-1) |                   |             |
|                                         | Secant Modulus vs. Strain (ISO 11403-1)    |                   |             |
| Part Marking Code (ISO 11469)           | >PET-(MD+GF)35<                            |                   |             |
| Resin ID (ISO 1043)                     | PET-(MD+GF)35                              |                   |             |
| Physical                                | Nominal Value                              | Unit              | Test Method |
| Density                                 | 1.57                                       | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                       |                                            |                   | ISO 294-4   |
| Across Flow                             | 0.70                                       | %                 |             |
| Flow                                    | 0.30                                       | %                 |             |
| Mechanical                              | Nominal Value                              | Unit              | Test Method |
| Tensile Modulus                         | 9700                                       | MPa               | ISO 527-2   |
| Tensile Stress (Break)                  | 80.0                                       | MPa               | ISO 527-2   |
| Tensile Strain (Break)                  | 2.3                                        | %                 | ISO 527-2   |
| Impact                                  | Nominal Value                              | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)   | 5.0                                        | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 24                                         | kJ/m <sup>2</sup> | ISO 179/1eU |
| Thermal                                 | Nominal Value                              | Unit              | Test Method |
| Melting Temperature <sup>1</sup>        | 252                                        | °C                | ISO 11357-3 |
| NOTE                                    |                                            |                   |             |
| 1.                                      | 10°C/min                                   |                   |             |

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