

# Crastin® SC193 NC010

THERMOPLASTIC POLYESTER RESIN

DuPont Performance Polymers

## Message:

30% Glass Reinforced Polybutylene Terephthalate Blend Developed for the Healthcare Industry

| General Information                     |                                  |                   |             |
|-----------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                  | Glass Fiber,30% Filler by Weight |                   |             |
| Forms                                   | Pellets                          |                   |             |
| Processing Method                       | Injection Molding                |                   |             |
| Part Marking Code (ISO 11469)           | >PBT+SAN-GF30<                   |                   |             |
| Physical                                | Nominal Value                    | Unit              | Test Method |
| Density                                 | 1.44                             | g/cm <sup>3</sup> | ISO 1183    |
| Mechanical                              | Nominal Value                    | Unit              | Test Method |
| Tensile Modulus                         | 9500                             | MPa               | ISO 527-2   |
| Tensile Stress (Break)                  | 130                              | MPa               | ISO 527-2   |
| Tensile Strain (Break)                  | 2.5                              | %                 | ISO 527-2   |
| Impact                                  | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)   | 10                               | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength (23°C) | 60                               | kJ/m <sup>2</sup> | ISO 179/1eU |
| Thermal                                 | Nominal Value                    | Unit              | Test Method |
| Melting Temperature <sup>1</sup>        | 225                              | °C                | ISO 11357-3 |
| NOTE                                    |                                  |                   |             |

1. 10°C/min

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