

# SITRADUR GF20 / C94150 (PBT+ASA)

Polybutylene Terephthalate + ASA

SITRAPLAS GmbH

## Message:

SITRADUR GF20 / C94150 (PBT+ASA) is a Polybutylene Terephthalate + ASA (PBT+ASA) material filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of SITRADUR GF20 / C94150 (PBT+ASA) are:

Flame Rated

Warp Resistant

| General Information                         |                                  |                        |             |
|---------------------------------------------|----------------------------------|------------------------|-------------|
| Filler / Reinforcement                      | Glass Fiber,20% Filler by Weight |                        |             |
| Features                                    | Low Warpage                      |                        |             |
| Processing Method                           | Injection Molding                |                        |             |
| Resin ID (ISO 1043)                         | >PBT+ASA-GF20<                   |                        |             |
| Physical                                    | Nominal Value                    | Unit                   | Test Method |
| Density                                     | 1.33                             | g/cm <sup>3</sup>      | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (260°C/2.16 kg) | 20.0                             | cm <sup>3</sup> /10min | ISO 1133    |
| Mechanical                                  | Nominal Value                    | Unit                   | Test Method |
| Tensile Modulus                             | > 6000                           | MPa                    | ISO 527-2/1 |
| Tensile Stress (Break)                      | > 75.0                           | MPa                    | ISO 527-2/5 |
| Tensile Strain (Break)                      | > 2.0                            | %                      | ISO 527-2/5 |
| 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)     | > 35                             | kJ/m <sup>2</sup>      | ISO 179/1eU |
| Thermal                                     | Nominal Value                    | Unit                   | Test Method |
| Vicat Softening Temperature                 | 128                              | °C                     | ISO 306/B50 |
| Flammability                                | Nominal Value                    |                        | Test Method |
| Flame Rating (1.50 mm)                      | HB                               |                        | UL 94       |

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## Recommended distributors for this material

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