



PRIME 3000TF

PRIME 3000TF is a mineral filled Polypropylene Copolymer designed for automotive, leisure and general thermoforming applications where a higher HDT and stiffness is required than that of standard PRIME 3000. The material retains good low temperature impact properties and chemical resistance.

| Property | Unit | ISO | Value | |
|----------------------------|-------------------|----------|---------|------|
| PHYSICAL | | | | |
| Density | g/cc | 1183 | 1.04 | |
| Melt Flow (230°C/2.16kg) | g/10min | 1183 | 0.3-0.5 | |
| MECHANICAL | | | | |
| Charpy Impact, notched | kJ/m ² | 23°C | 180/A | 53 |
| | kJ/m ² | -30°C | 180/A | 4.5 |
| Strength @ yield | MPa | 50mm/min | 527/2 | 26 |
| Flexular Modulus | MPa | | 178 | 2100 |
| Shore 'D' Hardness | | | 868 | 69 |
| THERMAL | | | | |
| HDT@0.45 MPa (HDT/B) | °C | | 75 | 118 |
| FLAMMABILITY RATING | | | | |
| Horizontal burn | 1.5mm+ | | UL94 | HB |

Finishing

Aluminium tool construction is recommended with a temperature control function to ensure consistent moulding & finished part dimensional tolerances. A constant tool temperature (typically 75°C for PRIME 3000 TF) should be maintained throughout the production run. Cooling using air or water spray will speed up the cooling cycle to provide efficient production output. Once removed from the tool, it is recommended that the component is clamped in a frame for a short period to optimise dimensional stability & reduce the risk of warping. Shrinkage rates are available on application.

Colour, Textures, Capabilities

PRIME 3000 TF is available in a full range of colours (subject to minimum order quantities) either colour matched to specific colour references, or to customer sample. A range of more standard colours is available for non-specific requirements. PRIME 3000 TF is available with a smooth or with a textured finish. Emboss swatches are available on request.

Notice: All statements, information, and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestion concerning possible use of our products are made without presentation of warranty that such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required.