



## PRIME 3000TF2.5

Prime 3000TF2.5 is a mineral filled copolymer Polypropylene that offers very high stiffness when rigidity is important. Prime 3000TF2.5 has a very low C.L.T.E., excellent cold temperature impact, UV protection, improved rigidity and has high chemical resistance.

Property	Unit	ISO	Value	
<b>PHYSICAL</b>				
Density	g/cc	1183	1.08	
Shrinkage	%		0.6-0.8	
Melt Flow (230°C/2.16kg)	g/10min	1133	0.5	
<b>MECHANICAL</b>				
Stress at break	MPa	50mm/min	527	26
Ultimate elongation	%	50mm/min	527	450
Flexural Modulus	MPa		178	3000
Charpy Impact, notched	kJ/m <sup>2</sup>	23°C	180/A	26
		-20°C		3.5
<b>THERMAL</b>				
HDT@0.45MPa	°C		75	128
CLTE(-30 °C to 100 °C)	mm/mm/°C	ASTM E831		0.00006
<b>FLAMMABILITY RATING</b>				
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 3000TF2.5) 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 3000TF2.5 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 3000TF2.5 is available with a smooth or with a textured finish. Emboss swatches are available on request.

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