



## PRIME 3000 H

PRIME 3000 H is a Polypropylene Homopolymer thermoplastic sheet designed for automotive, leisure, transportation & general thermoforming and fabrication applications. PRIME 3000 has a high impact resistance, especially at ambient temperatures & excellent chemical resistance. PRIME 3000 is a versatile material for a range of industrial uses.

Property	Unit	ISO	Value	
<b>PHYSICAL</b>				
Density	g/cc	1183	.91	
Melt Flow (230°C/2.16kg)	g/10min	118	0.3-0.5	
<b>MECHANICAL</b>				
Izod Impact, notched	kJ/m <sup>2</sup>	23°C	180/A	40
Strength @ yield	MPa	50mm/min	527/2	32
Stress @ yield	%	50mm/min	527/2	12
Flexural Modulus	MPa		178	1300
Shore D surface hardness			868	72
<b>THERMAL</b>				
VST@10N (VST/A)	°C		306/A	150
HDT@0.45 MPa (HDT/B)	°C		75/B	88
<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 3000) 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 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 is available with a smooth or with a textured finish. Emboss swatches are available on request.

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