



PRIME 3020 M

PRIME 3020 M is a Modified Polypropylene Co-Polymer sheet designed for automotive, leisure, transportation & general thermoforming applications. PRIME 3020M is a modified PP copolymer material designed to improve the low temperature impact properties of PP copolymer. PRIME 3020M is a versatile polyolefin, but is especially suited for use with potentially hazardous substances.

	Property	Unit	ISO	Value
PHYSICAL				
Density		g/cc	1183	.93
Melt Flow (230°C/2.16kg)		g/10min	1183	0.4
MECHANICAL				
Izod Impact, notched		kJ/m ²	23°C	180/A
			-20°C	180/A
Strength @ yield		MPa	50mm/min	527/2
Elongation @ yield		%	50mm/min	527/2
Tensile Modulus		MPa		1400
Flexular Modulus		MPa		178
Shore D surface hardness				868
				63
THERMAL				
VST @ 10N (VST/A)		°C	306/A	130
HDT@0.45 MPa (HDT/B)		°C	75/B	80
FLAMABILITY RATING				
Horizontal burn		1.5mm	UL94	HB
		3mm	UL94	HB
Typical forming temp		°C		180-200
CONDUCTIVITY RATING				
Surface resistivity		Ohms-cm		1x10 ¹³ -1x10 ¹⁶

Finishing

Aluminium tool construction is recommended with a temperature control function to ensure consistent moulding & finished part dimensional tolerances. A constant tool temperature (Typically 70-80°C for PRIME3000) 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.

Colour, Textures, Capabilities

PRIME 3020 M 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. For outdoor use, PRIME 3020 M can be stabilised against UV degradation. PRIME 3020 M is available with a smooth or with a textured finish. Emboss swatches are available on request.

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