



PRIME 3000 FR

PRIME 3000 is a Flame Retardant Polypropylene Co-Polymer thermoplastic sheet designed for automotive, leisure, transportation & general thermoforming and fabricating applications requiring a flame retardant property. PRIME 3000 FR has a high impact resistance, especially at ambient temperatures & excellent chemical resistance. PRIME 3000 FR is a versatile polyolefin, but is especially suited for use with potentially hazardous substances.

	Property	Unit	ISO	Value
PHYSICAL				
Density		g/cc	1183	1.04
MECHANICAL				
Izod Impact, notched		kJ/m ²	23°C	180/A
			-30°C	180/A
Strength @ yield		MPa	50mm/min	527/2
Flexular Modulus		MPa		178
Shore D surface hardness				868
THERMAL				
VST @ 10N (VST/A)		°C		306/A
HDT@0.45 MPa (HDT/B)		°C		75/B
FLAMABILITY RATING				
		1.5mm	UL94	HB
		3mm	UL94	V2
		(2mm+)	FMV SS302	Passes
		(3mm+)	DIN4102 pt 1	B1

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 FR) 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 FR 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 3000 FR can be stabilised against UV degradation. PRIME 3000 FR is available with a smooth or with a textured finish. Emboss swatches are available on request.

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