



PRIME 3000TPE

PRIME 3000TPE is a co-extruded high impact PP co-polymer sheet designed for the automotive, leisure and general thermoforming applications where a high friction thermoplastic rubber surface is required for anti-slip or soft touch applications.

Property	Unit	ISO	Value
PHYSICAL			
Density	g/cc	1183	.93
Melt Flow (230°C/2.16kg)	g/10min	1183	0.3-0.5
MECHANICAL			
Izod Impact, notched	kJ/m ²	23°C	180/A
		-30°C	180/A
Strength @ yield	MPa	50mm/min	527/2
Flexural Modulus	MPa		178
TPE Shore 'A' Hardness	(Cap)		868
Shore 'D' Hardness	(Substrate)		868
THERMAL			
VST@10N (VST/A)	°C	306/A	140
HDT@0.45 MPa (HDT/B)	°C	75/B	80
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 TPE) 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 TPE 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 TPE is available with a smooth or with a textured finish. Emboss swatches are available on request.

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