



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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