

Jabil PP 1040-1 MF

PRODUCT DESCRIPTION

40% Mineral filled polypropylene.

ADVANTAGES

High stiffness, low gloss, low warp and shrinkage.

PROPERTIES

MECHANICAL PROPERTIES¹

	Test Condition	Typical Values	Method
Tensile Modulus (MPa)	Dry as-molded	6180	ASTM D638, Type I
Tensile Yield Strength (Zero Slope, MPa)	Dry as-molded	23.9	ASTM D638, Type I
Tensile Yield Strain (Zero Slope, %)	Dry as-molded	2.1	ASTM D638, Type I
Tensile Elongation at Break (%)	Dry as-molded	9	ASTM D638, Type I
Flexural Modulus (MPa)	Dry as-molded	3780	ASTM D790
Flexural Strength (MPa)	Dry as-molded	46	ASTM D790
Flexural Strain (%)	Dry as-molded	>5	ASTM D790
Izod Impact - Linear Resilience, notched (J/m)	Dry as-molded	36	ASTM D256
Izod Impact - Resilience, notched (kJ/m ²)	Dry as-molded	4	ASTM D256

¹ Testing conducted on injection molded specimens. Typical values are for reference only.

THERMAL PROPERTIES

	Test Condition	Typical Values	Method
Heat Deflection Temperature (°C)	0.455 Mpa	129	DMA
Heat Deflection Temperature (°C)	1.82 Mpa	75	DMA
Flammability Rating	Ambient	HB	UL94

OTHER PHYSICAL PROPERTIES

	Test Condition	Typical Values	Method
Density (g/cm ³)	Ambient	1.22	ASTM D792

¹Disclaimer: The information in this technical data sheet, including material properties, are obtained from testing representative samples under carefully controlled conditions and are provided for reference only. Material properties may be impacted by storage, handling, processing equipment/parameters, and product design, among other factors. The information is not a substitute for user testing to determine fitness for any specific use and the user is responsible for ensuring safe and lawful use of the product.

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