

JEM PC/ABS A28-153J

PRODUCT DESCRIPTION

Jabil's A28-153J PC/ABS, a high-performance resin that combines the strength and heat resistance of polycarbonate (PC) with the toughness and impact resistance of acrylonitrile-butadiene-styrene (ABS). This unique blend of materials provides a versatile solution for a wide range of applications.

A28-153J PC/ABS blend boasts excellent mechanical properties, including high tensile strength, impact resistance, and heat resistance. This makes it an ideal choice for applications that require durability and toughness, such as automotive parts, electronics, and household appliances.

Jabil's resin is easy to use with injection molding machines, and its consistent and uniform size ensures reliable and consistent output every time. It is also compatible with a wide range of processing conditions, making it a versatile choice for your manufacturing needs.

PROPERTIES

MECHANICAL PROPERTIES

	Test Condition	Typical Values	Method
Yield Strength (MPa)	Ambient	54	ASTM D638, Type I
Tensile Elongation at Break (%)	Ambient	>115	ASTM D638, Type I
Tensile Modulus (MPa)	Ambient	2400	ASTM D638, Type I
Flexural Strength (MPa)	Ambient	83	ASTM D790
Flexural Modulus (MPa)	Ambient	2300	ASTM D790
Izod Impact, notched (J/m)	Ambient	>880	ASTM D256

THERMAL PROPERTIES

	Test Condition	Typical Values	Method
Heat Deflection Temperature (°C)	0.455 Mpa	112	DMA
Heat Deflection Temperature (°C)	1.82 Mpa	90	DMA

OTHER PHYSICAL PROPERTIES

	Test Condition	Typical Values	Method
Specific gravity (g/cm ³)	Ambient	1.13	ASTM D792
MFR (g/10 min)	260C / 5 kg	12	ASTM D1238

*Burn properties are highly dependent upon printer settings and part geometry. Suitability for an application is the responsibility of the user.

"Disclaimer: 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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