

# JEM PC/ABS A28-153E

## PRODUCT DESCRIPTION

Jabil's latest eco-friendly solution in engineering thermoplastics is a PC/ABS blend with high toughness made with 70% recycled content. A28-153E is not only durable and strong, but it is also environmentally friendly. It is made from recycled plastics that have been carefully processed to ensure that they meet our stringent quality standards. By using recycled resins, we are reducing the amount of plastic waste that ends up in landfills and helping to conserve natural resources.

PC/ABS A28-153E blend has exceptional mechanical properties, including high impact strength and toughness, making it ideal for applications where durability and reliability are essential. It also boasts excellent heat resistance and chemical resistance, making it suitable for use in a wide range of industries, including automotive, electronics, and consumer goods.

What sets Jabil's PC/ABS blend apart is its high toughness, which allows it to withstand harsh conditions and heavy impacts. It is also easy to process using injection molding or extrusion techniques, enabling fast and efficient production.

## PROPERTIES

### MECHANICAL PROPERTIES

	Test Condition	Typical Values	Method
Yield Strength (MPa)	Ambient	52	ASTM D638, Type I
Tensile Elongation at Break (%)	Ambient	>115	ASTM D638, Type I
Tensile Modulus (MPa)	Ambient	2450	ASTM D638, Type I
Flexural Strength (MPa)	Ambient	80	ASTM D790
Flexural Modulus (MPa)	Ambient	2200	ASTM D790
Izod Impact, notched (J/m)	Ambient	>770	ASTM D256

### THERMAL PROPERTIES

	Test Condition	Typical Values	Method
Heat Deflection Temperature (°C)	0.455 Mpa	113	DMA
Heat Deflection Temperature (°C)	1.82 Mpa	89	DMA

**OTHER PHYSICAL PROPERTIES**

	Test Condition	Typical Values	Method
Specific gravity (g/cm <sup>3</sup> )	Ambient	1.12	ASTM D792
MFR (g/10 min)	260C / 5 kg	11	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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