

JEM PC/ABS A28-153A

PRODUCT DESCRIPTION

Jabil's latest eco-friendly solution in engineering thermoplastics is a PC/ABS blend with high toughness made from 100% recycled resins. A28-153A 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 A28-153A 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 | 50 | ASTM D638, Type I |
| Tensile Elongation at Break (%) | Ambient | >80 | ASTM D638, Type I |
| Tensile Modulus (MPa) | Ambient | 2200 | ASTM D638, Type I |
| Flexural Strength (MPa) | Ambient | 75 | ASTM D790 |
| Flexural Modulus (MPa) | Ambient | 2100 | ASTM D790 |
| Izod Impact, notched (J/m) | Ambient | >650 | ASTM D256 |

THERMAL PROPERTIES

| | Test Condition | Typical Values | Method |
|----------------------------------|----------------|----------------|--------|
| Heat Deflection Temperature (°C) | 0.455 Mpa | 117 | DMA |
| Heat Deflection Temperature (°C) | 1.82 Mpa | 91 | DMA |

OTHER PHYSICAL PROPERTIES

| | Test Condition | Typical Values | Method |
|---------------------------------------|----------------|----------------|------------|
| Specific gravity (g/cm ³) | Ambient | 1.11 | 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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About Jabil

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