

JEM PC/ABS A28-152D

PRODUCT DESCRIPTION

Jabil's A28-152D 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.

A28-152D 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 | 57 | ASTM D638, Type I |
| Tensile Elongation at Break (%) | Ambient | >100 | ASTM D638, Type I |
| Tensile Modulus (MPa) | Ambient | 2600 | ASTM D638, Type I |
| Flexural Strength (MPa) | Ambient | 83 | ASTM D790 |
| Flexural Modulus (MPa) | Ambient | 2250 | 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 | | DMA |
| Heat Deflection Temperature (°C) | 1.82 Mpa | | DMA |

OTHER PHYSICAL PROPERTIES

| | Test Condition | Typical Values | Method |
|---------------------------------------|----------------|----------------|------------|
| Specific gravity (g/cm ³) | Ambient | 1.14 | 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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