



Data Sheet

PX215, ABS-like

Alternative Designations

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Key Features

Excellent flowability • Good dimensional stability and heat resistance

Description

The material is the combination of unreinforced polycarbonates and ABS. It is extensively used by the manufacturers to produce top-quality impact resistant products such as helmet shells, wheel covers, camera parts, I/P core panels, etc. The material provides excellent dimensional stability and toughness. It is also UV stabilized for better weather resistance. ABS PC215 is generally used for injection molding and vacuum casting.

Mechanical Properties

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|---------------------|----------|
| Tensile strength | 58.8 MPa |
| Elongation at break | 120% |
| Flexural strength | 83.3 MPa |
| Flexural modulus | 2.45 GPa |
| Hardness (Shore D) | 120 |

Thermal Properties

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|--|-------------|
| Melting temperature (20°C/min) | 240 – 250°C |
| Heat deflection temperature (1.80 MPa) | 118°C |

Physical Properties

| | |
|---------|------------------------|
| Density | 1.14 g/cm ³ |
|---------|------------------------|

Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit Materialdatacenter.com for further information on this material.