



Standard Black, ABS-like

Alternative Designations

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Key Features

Low shrinkage • Light odor • Fast curing • High dimensional stability • Moisture resistant

Description

ABS, or acrylonitrile butadiene styrene, is a thermoplastic resin frequently used in injection molding and 3d printing. It is widely known for its durability and resistance to impact, making it an ideal choice for a wide range of applications including functional assemblies, and housings for electronics. Standard Black, ABS-like material is a specific type of ABS that has been formulated to mimic the look and feel of traditional black ABS, but with improved printability with a glossy appearance.

Mechanical Properties

Tensile modulus	3,000 (±400) MPa
Tensile strength	55 (±10) MPa
Elongation at break	5 (±3)%
Flexural strength	65 MPa

Thermal Properties

Heat deflection temperature (0.45 MPa)	51°C
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Physical Properties

Density	1.16 g/cm ³
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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.