



Industrial Black, ABS-Like

Alternative Designations

Accura ABS Black (SL 7820) (SLA)

Key Features

Rigid, tough • Black appearance • Excellent surface finishing

Description

It is a black, opaque polymeric material that offers good stiffness and toughness. It allows for accurate and robust build with good surface finish and detail. It offers good resistance to aqueous solutions, alcohols, fats, and oils. It is used for automobile components, consumer packaging, electronic coverings, and toys.

Mechanical Properties

Tensile modulus	1890 – 2440 MPa
Tensile strength	45 – 47 MPa
Elongation at break	6 – 13%
Flexural strength	75 – 78 MPa
Flexural modulus	2.26 – 2.37 GPa
Hardness (Shore D)	86

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.