



Industrial Transparent, ABS-like

Alternative Designations

-

Key Features

Tough • Water resistant • Nearly colourless

Description

Transparent ABS-like material is a type of plastic that is known for its transparency and durability. It is often used in applications where these properties are desired, such as in medical devices and optical lenses. This is a low viscous material that produces parts that are strong, tough, water-resistant and most importantly, nearly colourless. It is ideal for the production of lenses, concept models, medical and consumer electronics. It is comparable to standard ABS in mechanical and thermal properties.

Mechanical Properties

Tensile modulus	531.5 MPa
Tensile strength	42.8 MPa
Elongation at break	22.8%
Flexural strength	45.9 MPa
Flexural modulus	1.007 GPa
Hardness (Shore D)	80 – 83

Thermal Properties

Heat deflection temperature (1.80 MPa)	50°C
Heat deflection temperature (0.45 MPa)	60°C

Physical Properties

Density	1.05 - 1.25 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.