



# ABS-ESD7

## Alternative Designations

Electrostatic Dissipative ABS

## Key Features

Durable • Electrostatic-dissipative • Good chemical resistance • High impact strength

## Description

This is a durable thermoplastic with electrostatic-dissipative properties. It is particularly suitable in applications where static charges can cause damage to products or explosions. It is widely applied in the manufacturing of jigs and fixtures for electronic components. This material has very low outgassing properties and provides electrical resistance.

## Mechanical Properties

Tensile modulus	2400 MPa
Tensile strength	36 MPa
Elongation at break	3%
Flexural strength	61 MPa
Flexural modulus	2.4 GPa
Hardness (Shore D)	109.5

## Thermal Properties

Heat deflection temperature (1.80 MPa)	82°C
Heat deflection temperature (0.45 MPa)	96°C
Softening temperature	99°C

## Physical Properties

Density	1.04 g/cm <sup>3</sup>
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## Reference

Datasheets provided by Xometry contain materials sourced through trusted OEMs, material distributors, and databases. Please visit [Materialdatacenter.com](https://Materialdatacenter.com) for further information on this material.