



# Standard ESD, ABS-like

## Alternative Designations

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## Key Features

Durable • Static-dissipative • High strength

## Description

This material is an electrically conductive plastic that is similar to ABS in terms of its properties and applications. ESD stands for electrostatic discharge, and this material is designed to dissipate static electricity in order to protect sensitive electronic components. This material is often used in the electronics industry, as well as in applications where static electricity is a concern. The benefits of using ESD, ABS-like material include its electrical conductivity and high strength.

## Mechanical Properties

|                     |          |
|---------------------|----------|
| Tensile modulus     | 2690 MPa |
| Tensile strength    | 33.9 MPa |
| Elongation at break | 3.4%     |
| Flexural strength   | 44.3 MPa |
| Flexural modulus    | 2410 GPa |

## Thermal Properties

|  |         |
|--|---------|
| Heat deflection temperature (1.80 MPa) | 101.4°C |
| Heat deflection temperature (0.45 MPa) | 104.6°C |

## Physical Properties

|         |                        |
|---------|------------------------|
| Density | 1.07 g/cm <sup>3</sup> |
|---------|------------------------|

## 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.