

# Data Sheet: ABS – ESD7

## Details

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.

## Key Features

Durable • Electrostatic-dissipative

## Thermal Properties

Property	Value
Heat deflection [°C]	96
Glass transition temperature [°C]	108
Vicat softening temperature [°C]	99
Coefficient of thermal expansion [K-1 · 10-6]	88.2
Specific heat capacity [J/kg · K]	920

## Mechanical Properties

Property	Value
Tensile strength [MPa]	36
Modulus of elasticity [GPa]	2.4
Flexural strength [MPa]	61
Flexural modulus [GPa]	2.4
Hardness	109.5
IZOD Impact [J/m]	28

Elongation at break [%]	3
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## Physical Properties

Property	Value
Density [g/cm <sup>3</sup> ]	1.04
Electrical Resistivity [ohm-cm]	$3.0 \times 10^9$

## Reference

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