

ESD-ABS Technical Data Sheet(TDS)

Physical Properties	Standard	Unit	Typical Value
Density	ISO 1183	g/cm ³	1.05
Melt Index	230°C, 5Kg		2 g/10 min

Mechanical Properties	Standard	Unit	Typical Value
Tensile Strength, Break	ISO 527	MPa	34±0.16
Tensile Modulus	ISO 527	MPa	2352.06±30.47
Tensile Elongation, Break	ISO 527	%	2.21±0.08
Flexural Strength	ISO 178	MPa	54.28±0.56
Flexural Modulus	ISO 178	MPa	2337.91±20.62
Charpy impact strength (X-Y)	ISO 179	kJ/m ²	6.47±0.6
Thermal Properties	Standard	Unit	Typical Value
Glass Transition Temperature	DSC	°C	80
Deflection Temperature @ 0.45MPa	ISO 75	°C	75

Electrical Property	Standard	Unit	Typical Value
Surface Resistance	ASTM ESD S11.11	Ohm/sq	10 ⁵ ≤X≤10 ⁹

Updated on September, 2022