

Data Sheet ABS UL 94 HB

Standard impact strength, good heat resistance, contains antistatic additive

Properties	Standard	Condition	Unit	Value
GENERAL				
Density	ISO 1183	-	g/cm ³	1.04
Moisture absorption	ISO 62	equilibrium at 23°C	%	0.2
Moulding shrinkage	-	longitudinal	%	0.4 - 0.7
MECHANICAL				
Tensile modulus	ISO 527	1 mm/min	MPa	1.900
Yield stress	ISO 527	50 mm/min	MPa	38
Tensile strain	ISO 527	50 mm/min	%	9
Charpy impact strength	ISO 179/1eU	23°C	kJ/m ²	100
Charpy notched impact strength	ISO 179/1eA	23°C	kJ/m ²	16
IZOD notched impact strength	ISO 180/1A	23°C	kJ/m ²	16
IZOD notched impact strength	ISO 180/1A	-30°C	kJ/m ²	7
Ball indentation hardness	ISO 2039-1	-	MPa	74
THERMAL				
Vicat softening temperature	ISO 306	B 50	°C	90
Temp. of deflection under load	ISO 75	HDT A 1.80 Mpa	°C	76
Temp. of deflection under load	ISO 75	HDT B 0.45 Mpa	°C	89
Burning behavior	UL 94	1.6 mm	Class	HB
Glow wire test (GWFI)	IEC 60695	-	°C	650
ELECTRICAL				
Volume resistivity	IEC 60093	-	Ohm•m	1E14
Surface resistivity	IEC 60093	-	Ohm	1E14
Comparative tracking index CTI	IEC 60112	test liquid A	-	600

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Disclaimer: The figures in this datasheet are guide values. The values are effected by processing conditions, modifications, additives and environmental conditions and they do not release you from the obligation to check the validity and to undertake tests on your own. This information is based on our present knowledge and experience. The material data is not to be construed as guaranteeing specific properties and the data can not be used to deduce the suitability for a particular application.