



TEREZ ABS 3003

ABS

Ter Plastics

Product Texts

High impact ABS.

For moulding parts with high impact resistance.

Rheological properties

Value

Unit

Test Standard

ISO Data

Melt flow index, MFI	6	g/10min	ISO 1133
MFI temperature	220	°C	ISO 1133
MFI load	10	kg	ISO 1133

Mechanical properties

Value

Unit

Test Standard

ISO Data

Tensile Modulus	1900	MPa	ISO 527-1/-2
Yield stress	40	MPa	ISO 527-1/-2
Yield strain	3	%	ISO 527-1/-2
Strain at break	9	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	140	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	35	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	13	kJ/m ²	ISO 179/1eA

Thermal properties

Value

Unit

Test Standard

ISO Data

Temp. of deflection under load (1.80 MPa)	76	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	89	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	90	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.6	mm	IEC 60695-11-10

Electrical properties

Value

Unit

Test Standard

ISO Data

Comparative tracking index	600	-	IEC 60112
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Other properties

Value

Unit

Test Standard

ISO Data

Density	1030	kg/m ³	ISO 1183
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