

TEREZ ABS 3009

ABS

Ter Plastics

Product Texts

Easy flowing ABS with high impact resistance.
 For all kind of injection moulding applications with high impact stress.

Rheological properties	Value	Unit	Test Standard
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ISO Data

Melt flow index, MFI	20	g/10min	ISO 1133
MFI temperature	220	°C	ISO 1133
MFI load	10	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
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ISO Data

Tensile Modulus	2300	MPa	ISO 527-1/-2
Yield stress	45	MPa	ISO 527-1/-2
Yield strain	2.6	%	ISO 527-1/-2
Strain at break	10	%	ISO 527-1/-2
Charpy impact strength (+23°C)	180	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	22	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
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ISO Data

Temp. of deflection under load (1.80 MPa)	99	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	103	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	97	°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
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ISO Data

Comparative tracking index	600	-	IEC 60112
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Other properties	Value	Unit	Test Standard
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ISO Data

Water absorption	1	%	Sim. to ISO 62
Humidity absorption	0.22	%	Sim. to ISO 62
Density	1040	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Features

Amorphous

Delivery form

Pellets

Applications

Automotive, Building Construction, IT / Business Machine, Encapsulation