

**TEREZ ABS 5003**

ABS

Ter Plastics

Product Texts

ABS with silk matt gloss, good impact resistance and light natural color.
For high impact molding parts of all kind.

Rheological properties

ISO Data	Value	Unit	Test Standard
Melt flow index, MFI	5	g/10min	ISO 1133
MFI temperature	220	°C	ISO 1133
MFI load	10	kg	ISO 1133

Mechanical properties

ISO Data	Value	Unit	Test Standard
Tensile Modulus	2250	MPa	ISO 527-1/-2
Yield stress	43	MPa	ISO 527-1/-2
Yield strain	40	%	ISO 527-1/-2
Strain at break	20	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	15	kJ/m ²	ISO 179/1eA
Flexural modulus (23°C)	2050	MPa	ISO 178

Thermal properties

ISO Data	Value	Unit	Test Standard
Temp. of deflection under load (1.80 MPa)	101	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	100	°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

Other properties

ISO Data	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

ApplicationsBuilding Construction, IT / Business Machine, Electrical and
Electronical, Encapsulation, General Purpose