



TEREZ ABS 5020

ABS

Ter Plastics

Product Texts

Fast flowing standard ABS.

For complex multi-cavity molds with a long flow distance.

Rheological properties

ISO Data	Value	Unit	Test Standard
Melt flow index, MFI	36	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	2300	MPa	ISO 527-1/-2
Yield stress	45	MPa	ISO 527-1/-2
Yield strain	2.5	%	ISO 527-1/-2
Strain at break	20	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	19	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	9	kJ/m ²	ISO 179/1eA
Flexural modulus (23°C)	2400	MPa	ISO 178

Thermal properties

ISO Data	Value	Unit	Test Standard
Temp. of deflection under load (1.80 MPa)	95	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	100	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	95	°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