



TEREZ PMMA 5503 SZ

PMMA

Ter Plastics

Product Texts

Impact modified PMMA with high breaking and impact strength and improved stress crack resistance.

For all kind of injection moulding applications as well as for extrusion and coextrusion of profiles.

Rheological properties

ISO Data	Value	Unit	Test Standard
Melt flow index, MFI	1.4	g/10min	ISO 1133
MFI temperature	230	°C	ISO 1133
MFI load	3.8	kg	ISO 1133

Mechanical properties

ISO Data	Value	Unit	Test Standard
Tensile Modulus	2000	MPa	ISO 527-1/-2
Yield stress	51	MPa	ISO 527-1/-2
Yield strain	4.5	%	ISO 527-1/-2
Strain at break	27	%	ISO 527-1/-2
Charpy impact strength (+23°C)	55	kJ/m ²	ISO 179/1eU

Thermal properties

ISO Data	Value	Unit	Test Standard
Temp. of deflection under load (0.45 MPa)	96	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	98	°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	1150	kg/m ³	ISO 1183