


TEREZ PMMA 5504 SZ

PMMA

Ter Plastics

Product Texts

Impact modified PMMA with high break- and impact resistance and improved stress cracking resistance. Especially suitable for injection moulding parts. Applications in the area extrusion and coextrusion of profiles are possible.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	0.7	g/10min	ISO 1133
MFI temperature	230	°C	ISO 1133
MFI load	3.8	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	1600	MPa	ISO 527-1/-2
Yield stress	42	MPa	ISO 527-1/-2
Yield strain	4.5	%	ISO 527-1/-2
Strain at break	30	%	ISO 527-1/-2
Charpy impact strength (+23°C)	80	kJ/m ²	ISO 179/1eU
Thermal properties			
ISO Data			
Temp. of deflection under load (1.80 MPa)	85	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	92	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	94	°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			
Density	1130	kg/m ³	ISO 1183