



<b>TEREZ PMMA 5504 SZ</b>			
PMMA			Ter Plastics
<b>Product Texts</b>			
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.			
<b>Rheological properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	0.7	g/10min	ISO 1133
MFI temperature	230	°C	ISO 1133
MFI load	3.8	kg	ISO 1133
<b>Mechanical properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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 <sup>2</sup>	ISO 179/1eU
<b>Thermal properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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
<b>Other properties</b>			
<b>ISO Data</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	1130	kg/m <sup>3</sup>	ISO 1183