

TEREZ PMMA 5504 SZ

Polymethyl Methacrylate Acrylic

TER HELL PLASTIC GMBH

Message:

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.

General Information	
Additive	Impact Modifier
Features	Good Impact Resistance
	High ESCR (Stress Crack Resist.)
	Impact Modified
Uses	Profiles
Processing Method	Coextrusion
	Extrusion
	Injection Molding
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	0.70	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress (Yield)	42.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	4.5	%	
Break	30	%	
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	80	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	92.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	94.0	°C	ISO 306/B50

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