



## ACRYLIC (PMMA XT) SHEETS



DECLARATION NO: TEKNORM/21.08.2023

PRODUCER	TEKNORM PLASTIC PACKAGING CONS. GLASS METAL INDUSTRY TRADE LTD. COMPANY					
COMPANY ADDRESS	Mimarsinan Organize Sanayi Bölgesi 17.Cadde No:9 KAYSERİ/TÜRKİYE					
MANUFACTURING ADDRESS	Mimarsinan Organize Sanayi Bölgesi 17.Cadde No:9 KAYSERİ/TÜRKİYE					
PRODUCT FEATURES	EXTRUDED PMMA XT (ACRYLIC) SHEET					
PRODUCT RELATED REGULATION	89/106 AT Construction Products Directive					
PRODUCT STANDARD	TS EN ISO 7823-2					
PRODUCT FEATURES	SIZE AND TOLERANTS: 2,0.....20mm± 0,2					
REPRESENTATIONS	Acoustic	Typical Properties	Unit	Test Value	Test Method	
		Sound Reduction (Thickness:8mm)	dB	27	EN14388	
		Sound Reduction (Thickness:10mm)	dB	30	EN14388	
	Test	Acoustic	Sound Reduction (Thickness:12mm)	dB	33	EN14388
			Typical Properties	Unit	Test Value	Test Method
			Optical Properties	Refractive Index	---	1,49
	Optical Properties	Total Luminous Transmittance	%	92	ISO 13468-1	
		Haze	%	< 0,5	ISO 14782	
		Thermal Properties	Coefficient of Linear Expansion	1/°C	7X10 <sup>-5</sup>	ISO 11359-2
	Vicat Softening Temperature (VST)		°C	109	ISO 306 (B50)	
	Deflection Temp. Under 1.80 Mpa (annealed)		°C	101	ISO 75-2 Af	
	Melt Flow Rate (230°C / 3.8 kg)		g/10min	2	ISO 1133	
	Mechanical Properties	Tensile Strength Break	Mpa	76	ISO 527-2	
		Tensile Strain at Break	%	4	ISO 527-2	
		Flexural Strength	Mpa	120	ISO 178	
		Flexural Modulus	Mpa	3100	ISO 178	
		Charpy Impact Strength (notshed)	kJ/m <sup>2</sup>	1.4	ISO 179 (1Ea)	
		Rockwell Hardness Scale M	---	100	ISO 2039-2	
	Electrical Properties	Surface Resistivity	Ω	>10 <sup>16</sup>	IEC 60093	
		Volume Resistivity	Ω cm	>10 <sup>15</sup>	IEC 60093	
		Insulation Resistance	Ω	>10 <sup>15</sup>	IEC 60167	
		Dielectric Strength	kV/mm	20	IEC 60243-1	
		Dielectric Constant (1MHz)	---	3.1	IEC 60250	
	Other Properties	Specific Gravity	---	1.19	ISO 1183	
		Mold Shrinkage	%	0.2 - 0.6	ISO 294-4	
		Water Absorption	%	0.3	ISO 62	
		Flammability	---	HB	UL 94	

In accordance with the stated Standards of Product/Products in Name Type and Model, Pmma XT (Acrylic) Sheet, TS EN ISO 7823-2 Standard and 89/106/ AT We have produced to meet the Building Material Regulations, CE we declare that we mark it.

