

TECHNICAL DATA SHEET

Extruded Acrylic sheet

	UNIT	ACRYLIC (XT)	Standard
GENERAL PROPERTIES			
Density	g/cm ³	1.19	ISO 1183
Water absorption	%	0.3	ISO 62 (1)
Flammability	class	HB	UL-94 class
OPTICAL PROPERTIES			
Light transmission (clear sheet)	%	92	ASTM D1003
Haze (clear sheet)	%	<1	ASTM D1002
Refractive index (clear sheet)		1.49	ISO 489
MECHANICAL PROPERTIES			
Tensile strength	MPa	72	ISO 527-2
Elongation at break	%	4	ISO 527-2
Tensile Modulus	MPa	3300	ISO 527-2
Flexural Strength	MPa	106	ISO 178
Flexural Modulus	MPa	3350	ISO 178
Rockwell hardness	M-scale	95	
Impact Resistance - Izod notched	kJ/m ²	1.5	ISO 180
THERMAL PROPERTIES			
Temp. of deflection under load 1.8 Mpa	°C	95	ISO 75-1
Coefficient of linear thermal expansion (CLTE)	mm/(m x 1/°C)	0.065	ISO 11359
Vicat softening temperature (50 N)	°C	103	ISO 306
Recommended Continuous Service Temperature	°C	70	
Recommended Maximum	°C	91	