



# Acryglas XT<sup>®</sup>

## Extruded acrylic

Acryglas XT <sup>®</sup> extruded acrylic sheet			
Properties	Method	Typical value	Unit
<b>Physical properties</b>			
Specific gravity	ISO 1183	1.19	g/cm <sup>3</sup>
Water absorption (in water for 24 hours at 23°C)	ISO 62, met 1	0.3	%
<b>Optical properties</b>			
Refractive index	ISO 489 - Método A	1.49	-
Total luminous transmittance	ISO 13468-1	92	%
<b>Mechanical properties</b>			
Tensile strength at break	ISO 527-2/1B/5	65	MPa
Elongation at break	ISO 527-2/1B/5	4	%
Tensile modulus	ISO 527-2/1B/1	3300	MPa
Flexural strength	ISO 178	100	MPa
Flexural modulus	ISO 178	3100	MPa
Izod impact strength (notched)	ISO 180/1A	15	J/m
Rockwell hardness	ISO 2039-1	90	M scale
<b>Thermal properties</b>			
Vicat softening point	ISO 306/B/50	106	°C
Heat deflection temperature	ISO 75	92	°C
Maximum continuous service temperature	-	70	°C
Linear thermal expansion temperature	ASTM E-831	65	µm/mm/°C
<b>Flamability</b>			
Burning rate	ISO 3795	38	mm/min

Typical values - must not be used with the intention of specifications but for general purposes. The above-mentioned test methods must be used as guides for reference rather than actual specifics. Test samples are inspected under ideal processing conditions. The properties listed may be affected by the quantity and type of pigments. If you require certification pertaining to Acryglas XT<sup>®</sup> please contact your local Amari Plastics branch.

All information present here is given in good faith and do not provide a product guarantee, merely a guide to the expected performance of Acryglas XT subject to production methods, working conditions and chemicals used by the fabricator.

Please contact your local Amari Plastics branch for more product information.

### Amari Plastics plc

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