

PRODUCT DATA SHEET (REV20251203)

PMMA RECYCLED (ACRYLIC) SHEET

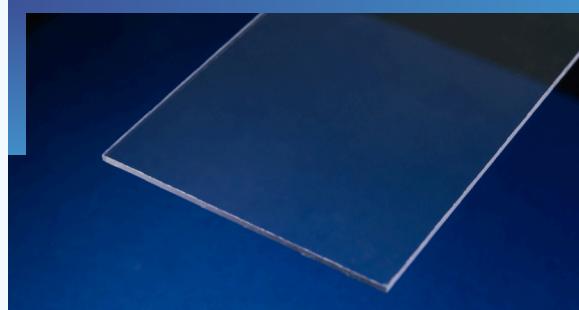
Achieve your sustainability goals with SRT Recycled Acrylic (PMMA-RC). Manufactured using 50% post-industrial recycled material, this eco-friendly sheet offers a closed-loop solution without compromising on quality.

Unlike other recycled plastics, SRT PMMA-RC retains the exact same 92% light transmission and high-gloss finish as virgin acrylic. It is fully UV-stable, halogen-free, and easy to fabricate, making it the premier choice for green retail displays and architectural glazing.

Reduce your carbon footprint today with a material that performs identically to standard cast or extruded acrylic.

KEY ADVANTAGES

- 50% recycled content
- 92% light transmission (High Clarity)
- UV stable and weather resistant
- Halogen-free material
- Fully recyclable closed-loop
- Excellent laser cutting results



TYPICAL APPLICATIONS

- Glazing and Facades: Used in transparent facades, skylights, and roofing systems to maximize natural light due to its excellent light transmission and weather resistance.
- Display Cases and Fixtures: A popular, durable, and aesthetic material for retail display cases, shelves, and product fixtures.
- Sustainable Packaging: Used by some manufacturers for premium product packaging that can be reused multiple times.



AVAILABLE DIMENSIONS

- Sizes: 3050 x 2050 mm
- 3 mm to 8 mm
- Service: Cut-to-size and custom fabrication available
- Contact us for custom thickness requirements



The information contained within this datasheet is for guidance only.

The data is not exhaustive. All figures quoted are nominal. Any applications should be checked with SRT Plastics prior to use.

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PROPERTY	VALUE	UNIT	STANDARD
PHYSICAL PROPERTIES			
Density	1,19	g/cm ³	ISO 1183
Refractive index (20°C)	1,49	-	ASTM D-542
Water Absorption (24h)	0,20	%	ISO 62
MECHANICAL PROPERTIES			
Tensile Strength	76	MPa	ISO 527
Elastic Modulus	3200	MPa	ISO 527
Flexural Modulus	3200	MPa	ISO 178
Charpy Impact (Unnotched)	20	kJ/m ²	ISO 179
Rockwell Hardness	M95 - M105	R Scale	ISO 2039-2
THERMAL PROPERTIES			
Max Service Temperature (Continuous)	85	°C	Internal
Vicat Softening Temp. (50N)	103	°C	ISO 306
HDT/A (1.80 Mpa)	95	°C	ISO 75-2
Coeff. Of Linear Thermal Expansion	7.0	x10 ⁻⁵ /°C	ISO 11359-2
FLAMMABILITY			
Flammability Rating (>3mm)	HB	-	UL94

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