

NUDEC[®] PMMA RC

In line with our Cyrcus Ecosys program, which aims to save resources, minimize the environmental impact of our production and manufacture products that are as sustainable as possible, we offer **NUDEC PMMA RC** sheets containing up to 70 % of regrind material from our own production. As opposed to landfill and incineration, acrylic production waste is inspected and processed on-site and reintroduced to the extrusion process.

Applications

- Automotive industry
- Glazing
- Displays
- Office walls dividers
- Lighting, signage

Properties

NUDEC PMMA RC is an excellent choice for a great number of applications and has the same mechanical, optical and physical properties as standard material, such as:

- High surface brilliance
- Very high light transmission
- Very low haze
- Outstanding weathering resistance
- Ease of fabrication
- No harmful substances
- Halogen-free
- Fully recyclable

	CODE	UNIT	VALUE
PHYSICAL			
Density	ISO 1183	g/cm ⁻³	1,19
MECHANICAL			
Tensile strength	ISO 527	MPa	73
Flexual modulus	ISO 178	MPa	3.075
Charpy impact test notched	ISO 179	kJ·m ⁻²	1,5
OPTICAL			
Light transmission (3 mm)	ASTM D-1003	%	≥ 90
Yellow index	ASTM E313-98	%	≤ 10
THERMAL			
Temp. VICAT (50 N)	ISO 306	° C	103
HDT / A (1,8 MPa)	ISO 75A	° C	96

Mechanical and thermal properties correspond to an estimation according to raw material values. Optical properties correspond to first production values.

Product range

NUDEC PMMA RC sheets are available in thicknesses from 3 to 8 mm (3.050 x 2.050 mm).

NUDEC PMMA RC is not part of our standard range and available quantities are limited. Please refer to our Commercial Department for further details.

