

NUDEC PC RW

NUDEC presents the first certified transparent polycarbonate sheet based on renewable feedstock under the brand NUDEC PC RW.

It uses non-fossil ISCC PLUS certified feedstocks. The final product has a significantly lower carbon footprint of up to 61% and reduces the depletion of fossil-based sources by 35 %.

APPLICATIONS

- Machinery protection
- Security glazing
- Town furniture (anti-vandal)
- Office walls dividers
- Cladding
- Shelters



NUDEC PC RW has the same characteristics and performance as NUDEC PC standard grade.



ISCC certified material (mass balance approach)

PROPERTIES

- Excellent transparency and surface brightness
- High heat resistance
- Available with UV protection
- Excellent impact strength
- Thermoformable
- Biobased. Second generation feedstock
- 61 % CO₂ footprint reduction

	CODE	UNIT	VALUE
PHYSICAL			
Density	ISO 1183	g/cm ⁻³	1,2
MECHANICAL			
Tensile strength to deformation	ISO 527	MPa	60
Tensile strength to breakage	ISO 527	MPa	72
Elongation to breakage	ISO 527	%	150
Elasticity modulus in traction	SO 527	MPa	2.300
Resistance to flexion	ISO 178	MPa	97
Charpy impact strength notched (23° C)	ISO 180	kJ·m ⁻²	55
OPTICAL			
Light transmission (3 mm)	ASTM D-1003	%	87-91
THERMAL			
Temp. VICAT (50 N)	ISO 306	° C	151
HDT / A (1,8 MPa)	ISO 75-1/2		143

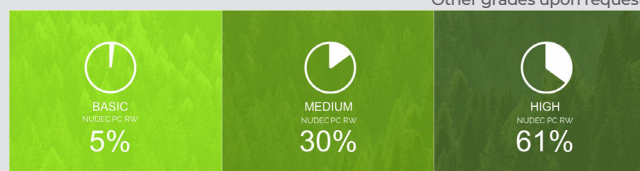
These data correspond to raw material values.

PRODUCT RANGE

NUDEC PC RW sheets are available in thicknesses from 0,75 to 12 mm (2.050 x 1.250 mm up to 1 mm thickness and in 3.050 x 2.050 mm for higher thicknesses).

NUDEC PC RW is not part of our standard range. Therefore, please refer to our Commercial Department for minimum quantities required.

Other grades upon request.



This information is based on present state of knowledge, its purpose being to provide general information on our products and their application. For this reason it neither should be considered as a guarantee of specific properties of the products herein described nor as a statement of their suitability for certain particular uses.