

Indoor pools

- There are different reasons for installing an indoor swimming pool: children and pets' safety, the option to enjoy a pool during the winter months or simply for the ease of keeping it clean with less effort and to reduce chemical product expenses.
- NUDEC manufactures materials specific to the requirements for pool covers. These plastic sheets are easily handled and they give the best characteristics to endure inclement weather conditions (rain, sun rays, hailstones, extreme temperatures, etc.).

Products

- The choice of which plastic should be used will depend on the climatic conditions of the area in question. NUDEC provides the perfect kind of plastic for each particular application: sheets with more or less impact resistance, UV stability, etc.



NUDEC^{PCuv}: Polycarbonate is an example of an excellent material for use in this field, with high impact and heat resistance. These attributes make this material perfect for pool coverings, in protecting the pool water and offering security against unwanted external elements.

NUDEC^{SANuv}: At the same time, this polymer stands out for its hardness and ease of handling. Moreover, this material keeps its surface stability in humid environments, thanks to its intrinsic properties, giving it some benefits over acrylic based plastics.

Characteristics

Características				
	Code	Unit	SANuv	PC
Physical				
Density	ISO 1183	g.cm ³	1,08	1,20
Mechanical				
Elasticity modulus in traction	ISO 527	Mpa	3700	2300
Optical				
Light transmission	ASTM D-1003	%	86	87-91
Refraction	ASTM D-542	%	1,561	1,586
Thermal				
Maximum continuous usage temperature		°C	85	120
Linear coefficient of expansion	ISO 75-2	x10 ⁻⁵ .°C ⁻¹	7	6,8