



SELEXIBLE
一喜莱仕一

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Your Professional Acrylic Manufacturer for Pool & Aquarium

This certification refers to purecast acrylic blocks with high molecular weight, manufactured by: SELEXIBLE PLASTIC

This said acrylic production is identified under the trademark SELEXIBLE PLASTIC which shows the following values:

Warranty - 30mm Clear Acrylic Sheet for Auarium

PROPERTIES	VALUES	RULES
Density	1.19 g/cm3	ISO 1183-1:2012 Method A
Rockwell Hardness	112L	ISO 2039-2:1999
Tensile Modulus	3150MPa	EN ISO 527:2012
Tensile Strength	75 MPa	EN ISO 527:2012
Tensile Strain at Break	3.2%	EN ISO 527-1:2012
Water Absorption	0.20%	ISO 62:2008 Method 1
Total Luminous Transmittance	92.7%	ISO 13468-1:1996
Vicat Softening Temperature	103°C	ISO 306:2013 Method B50
Light Ageing Test- UV Exposure	Grey scale: 5	ISO 4892-3:2016 Cycle 1
Mean Coefficient of Linear Thermal Expansion	$72 \times 10^{-6} \text{ K}^{-1}$	ISO 11359-1:2014
Compressive Stress at Yield	129MPa	EN ISO 604:2003
Flexural Strength	120MPa	ISO 178:2013
Izod Notched Impact Strength	101J/m	ASTM D256-10 Method A
Compressive Yield Strength	111MPa	ASTM D695-15
Compressive Modulus	3450MPa	ASTM D695-15
Shear Strength	59.7MPa	ASTM D732-17
Deflection Temperature under Load	100.2°C	ASTM D648-18 Method B
Yellowness	No visible	ISO 105-A02:1993/Cor.2:2005

SELEXIBLE PLASTIC

Technical Division, the Manager

缪国培

GUOPEI MIAO

SGS-CSTC Standards Technical

Services Co., Ltd. GZ Branch Testing Center

Signature

Gary Bai

* Important Remarks:

- **Warranty 10 years**
- Outdoor use non-yellowing
- Maximum 300 mm can be one time cast without laminated
- 100% Bonding no-bubble, the connector/gap non-yellowing
- Heating again in Anneal Oven, Eliminate Environmental Stress
- Mitsubishi or Lucite new material with 100% pureness
- Numerical control center mold, more precise for bending size
- Offer on site installation service and technical support
- Exist environment in -40 °C to 80 °C

SGS