

Technical Data Sheet

Product name: **Pentaclear® SmartCycle® APET BX-E689T04-1160000-100_0-ZZZ**

Description: extruded APET film

Quality segment: Box film
Type: APET
Color: 6-RG-uncolored, crystal clr-000
Surface: Glossy / Glossy-00
Additional treatment: No additional treatment-00

Properties	Standard	Unit	Standard values
Thickness base film	DIN 53370 / ISO 4593	µm	170 ... 700
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-5,0 ... 5,0 170 ... 700 µm
Density	DIN EN ISO 1183-2	g/cm ³	1,31 ... 1,37
Tensile strength, min. - MD	DIN EN ISO 527 test speed V 100 mm/min, measured lengthwise, depending on thickness	MPa	55
Impact strength, min.	DIN EN ISO 8256 measured lengthwise	kJ/m ²	200
Surface tension, min.	DIN ISO 8296 measured with test inks	mN/m	34
VICAT-softening point	DIN EN ISO 306 method B/50	°C	68 ... 72
Dimensional stability -longitudinal	DIN 53377 storage in heated cupboard at 80°C/15min	%	-7,0 ... 0,0 170 ... 700 µm
Dimensional stability -transverse	DIN 53377 storage in heated cupboard at 80°C/15min	%	-7,0 ... 0,0 170 ... 700 µm
Light transmission		%	88 ... 93
Haze (transparent)	ASTM-D-1003	%	0,0 ... 4,0 µm

Storage conditions:

- Ideal storage conditions between 10 - 30°C (50 - 86°F)
- Ideal RH 50%
- Should not be stored in direct sunlight and avoid major thermal fluctuation
- Store in original packaging
- Before working up the films should be conditioned a minimum of 24 hours at room temperature

The statements contained herein are for informational purposes only and are true and accurate to the best of our scientific and technical knowledge. This information does not constitute a guarantee or warranty, express or implied, nor does it establish a legally valid contractual relationship. It is the customer's responsibility to determine the suitability of this product for the customer's intended use, and Klöckner Pentaplast does not assume any liability for the customer's use of this product or the information contained herein.

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- Recommended use of the material within 12 months of production date

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