

Technical Data Sheet



Product name: **Pentaclear® SmartCycle® APET BX-E660F04-1160000-100_0-ZZZ**

Description: extruded APET film

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

Properties	Standard	Unit	Values
Thickness base film	DIN 53370 / ISO 4593	µm	200 ... 500
Tolerance of Thickness	DIN 53370 / ISO 4593	%	-5,0 ... 5,0 200 ... 500 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	300
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 ... 0,0 200 ... 500 µm
Dimensional stability -transverse	DIN 53377 storage in heated cupboard at 80°C/15min	%	-7,0 ... 0,0 200 ... 500 µm
Light transmission		%	88 ... 93
Haze (transparent)	ASTM-D-1003	%	0,0 ... 3,5

Regulatory: The product corresponds to:
- the respective regulations and directives for food contact.
Supplementary confirmations to the above-named points can be issued on request.

Storage conditions: - Ideal storage conditions between 10 - 30°C (50 - 86°F)

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

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