TECHNICAL DATASHEET

BIAXIS BOPA 15E STD

Biaxially Oriented Polyamide Film

General Properties

	Unit	Value	Standard / Test method
Thickness	µm	14 ± 10 %	DIN 53370
Unit Weight	g/m^2	16,1	ISO 2286-2
Melting Point	°C	220 ± 2	ISO 3146-C / DSC
Density	g/cm^3	1,15 ± 0,01	ISO 1183
Haze	%	≤ 5,5	ASTM D 1003
Shrinkage (160°C, 15 min)	% (MD/TD)	≤ 2,5 / ≤ 2,5	DIN EN ISO 11501
Friction (non-treated), Film / Alu	Stat./dyn.	< 0,4 / < 0,4	ASTM D 1894
Treatment Level	dynes/cm (treated/non-treated)	> 45 / > 37	DIN ISO 8296, ASTM D 2578

Mechanical Properties

	Unit	Value	Standard / Test method
Tensile Strength	N/mm^2 (MD/TD)	> 220 / > 220	D 882
Elongation at Break	% (MD/TD)	> 80 / > 70	D 882
Puncture Resistance	N	> 7	DIN EN 14477
Flex Crack	Holes/dm^2	< 1	ASTM F 392-74

All mechanical values are according to 2-sigma level.

Barrier Properties

	Unit	Value	Standard / Test method
O2 Transmission Rate (50% RH, 23°C)	cm^3/(m^2*24h*bar)	30 *)	DIN 53380-3, ASTM D 3985
WV Transmission Rate (85% RH, 23°C)	g/(m^2*24h)	55 *)	DIN 53122, ASTM E 96

*) Typical value

All raw materials used in Biaxis films meet the requirements set for food packaging in accordance with the latest EU and FDA regulations.

The recommendations and data given are based on our experience to date, but no liability can be assumed in connection with their usage.

Released 29.4.2024

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