

TECHNICAL DATA SHEET

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Ritec TR Ultra Film

PRODUCT DESCRIPTION

Ritec TR Ultra is a crystal clear bi-oriented polyester-based film (BOPET). The film is very glossy and has extremely high clarity. It is resistant to chemicals and humidity. Its properties and high mechanical strength make it a great choice for packaging applications. The foil is certified for use in manufacturing packaging for food and pharmaceuticals.

SPECIFICATIONS

Properties	MU	Typical value					Comments
Thickness	µm	50	75	100	125	175	(+/-5%)
Roll width max.	mm	2000					(+/-2mm)
Yield	m ² /kg	14,30	9,50	7,10	5,71	4,08	(+/-5%)
Unit weight	g/m ²	69,93	105,26	140,84	175,13	245,10	(+/-5%)
Surface tension min.	dyn/cm	54					ASTM D-2578
Tensile strength - machine (MD) - transverse (TD)	kg/cm ²	1900 2000	1900 2000	1800 1900	1800 1900	1800 1900	ASTM D-882
Elongation at break - machine (MD) - transverse (TD)	%	150 140	150 140	160 150	160 150	170 160	ASTM D-882
Thermal shrinkage - machine (MD) - transverse (TD)	%	1,4 0,2	1,4 0,2	1,4 0,2	1,4 0,2	1,2 0,2	ASTM D-1204 (150C, 30min)
Haze	%	1,8	2,0	2,2	2,4	2,5	ASTM D-1003
Light Transmission	%	90					ASTM D-1003
Coefficient of friction - static - dynamic	-	0,45 0,40	0,45 0,40	0,45 0,40	0,45 0,40	0,45 0,40	ASTM D-1894
Standard roll length (diameter 450mm)	m	3000	2000	1500	1200	850	(+/-15%)

INTENDED USE

Type of application: packaging production.

STORAGE CONDITIONS AND SHELF LIFE

The products should be stored away from sources of high and low temperatures, humidity and direct sunlight. The recommended storage temperature is 15°C - 30°C with relative humidity of 20% - 70%. Product shelf life is 6 months from production date printed on the label.

ADDITIONAL INFORMATION

The data presented are based on the current state of our knowledge and are intended for information purposes only. The specified parameters represent typical values and do not represent limit values. Given the number of factors beyond our control, we cannot guarantee the properties or suitability of the products for each individual case of application. For these reasons, no legal claims may be derived from this technical specification sheet. We reserve the right to update the technical specifications at any time without any obligation to inform you. The product is not classified as hazardous, we recommend reading the declaration of conformity before use. Dispose of in accordance with local and national regulations.