



SUPEX

2021

Description

SUPEX 2021 is a metallizable, transparent, coextruded, biaxially oriented polypropylene film for vacuum metallization applications. One side has treated special polymer layer for excellent metal adhesion. Other side is heat sealable.

Suitable to be used as single ply and/or as lamination substrate in HFFS and VFFS applications after metallization.

Properties

- Excellent metal adhesion capability
- Special polymer surface for metallization
- Broad seal range
- Excellent hot tack and heat seal strength
- Excellent dimensional stability and processability for metallization
- High clarity and gloss
- Good moisture barrier
- Resistance to chemicals, greases and oils

Technical Features

PROPERTIES	TEST METHOD	UNITS	2021					
			15	18	20	25	30	35
THICKNESS	ASTM F2251	micron	15	18	20	25	30	35
		Gauge	60	72	80	100	120	140
YIELD	ASTM D4321	m ² /kg	73,3	61,1	54,9	44,0	36,6	31,4
		in ² /Lbs	51.500	42.900	38.600	30.900	25.800	22.100
UNIT WEIGHT	ASTM D4321	g/m ²	13,7	16,4	18,2	22,8	27,3	31,9
HAZE	ASTM D1003	%	3,0					
GLOSS (45 °)	ASTM D2457	%	90					
TENSILE STRENGTH AT BREAK	ASTM D882	MD	N/mm ²	150				
			lb/in ²	21.800				
		TD	N/mm ²	280				
			lb/in ²	40.600				
ELONGATION AT BREAK	ASTM D882	MD	200					
		TD	70					
THERMAL SHRINKAGE (120 °C, 5 min, air)	ASTM D1204	MD	3					
		TD	1					
COEFFICIENT OF FRICTION	ASTM D1894	Film/Film	0,50					
		Film/Metal	0,30					
SURFACE TENSION	ASTM D2578	Dyne/cm	Treated Side	38				
			Other Side	-				
HEATSEAL RANGE	ASTM F88	°C	105-145					
		°F	221-293					
HEATSEAL STRENGTH (120 °C, 1 MPa, 1 s)	ASTM F88	N/15mm	2,0					

Regulatory Status

Our product complies with the applicable EC legislation on packaging involving direct contact with foods except metallized films. Full details are given on the Regulatory Compliance Certificate and can be found on our web site.

The information contained in this data sheet is true and accurate according to current state of our knowledge and intended to give general information on our products and their applications. Above values are to be considered as guidelines and not as product specifications. Since the actual conditions of use are beyond our control, users are advised to make their own tests at their specific conditions of laboratory and/or actual use. We suggest our customers to determine final suitability for their specific end uses.

Also be advised that information on this data sheet shall not be construed as an inducement or recommendation to use any process or to manufacture or use any product in conflict with existing, pending or future patents.

For related spec sheet with tolerance values, please contact our sales departments