



## CASTOTEX

### NP 2011 S

#### Description

CASTOTEX NP 2011 S is a transparent, cast polypropylene (CPP) film. Both sides heat sealable. One side corona treated. Excellent broad range heat sealability for high speed packaging applications.

Specially designed with excellent heat sealability, slip and antistatic properties for single ply and lamination applications. These features makes it best substrate for flexible packagings applications such as snacks, pasta, dried foods, bakery, textile, retort, pouch, side-seal bag, bag-in-box.

#### Properties

- Broad seal range on non-treated side
- Excellent hot tack and heat seal strength
- High clarity and gloss
- Good antistatic property
- Excellent ink and lamination adhesion
- Good moisture barrier
- Resistance to chemicals, greases and oils
- Excellent machinability
- High impact resistance

## Technical Features

PROPERTIES	TEST METHOD	UNITS	NP 2011 S									
			25	30	35	38	40	45	50	60	80	100
THICKNESS	ASTM F 2251	micron	25	30	35	38	40	45	50	60	80	100
		Gauge	100	120	140	152	160	180	200	240	320	400
YIELD	ASTM D 4321	m <sup>2</sup> /kg	44,4	37,0	31,7	29,2	27,8	24,7	22,2	18,5	13,9	11,1
		in <sup>2</sup> /Lbs	31.200	26.000	22.300	20.600	19.500	17.400	15.600	13.000	9.800	7.800
UNIT WEIGHT	ASTM D 4321	g/m <sup>2</sup>	22,5	27,0	31,5	34,2	36,0	40,5	45,0	54,1	71,9	90,1
HAZE	ASTM D 1003	%	2,0				2,5				3,0	
GLOSS (45 °)	ASTM D 2457	%	90									
TENSILE STRENGTH AT BREAK	ASTM D 882	MD	N/mm <sup>2</sup>	35								
			lb/in <sup>2</sup>	5.100								
		TD	N/mm <sup>2</sup>	25								
			lb/in <sup>2</sup>	3.600								
ELONGATION AT BREAK	ASTM D 882	MD	500									
		TD	600									
COEFFICIENT OF FRICTION	ASTM D 1894	Film/Film	<0.25									
		Film/Metal	<0.20									
SURFACE TENSION	ASTM D 2578	Dyne/cm	Treated Side	36								
			Other Side	-								
SEALING TEMPERATURE (*)	ASTM F 88	°C	120									
		°F	248									

(\*) Nontreated side to nontreated side

Product Identification (Decision 97/129/EC): PP5

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

STANDARD ROLL DIMENSIONS			
CORE INNER DIAMETER (ID)	CORE OUTER DIAMETER (OD)	LENGTH TOLERANCE	WIDTH TOLERANCE
76 mm (3 in) & 152 mm (6 in)	530 mm & 790 mm *	± % 10 for all OD's	- 0 & + 1 mm

REV: 01 Date: 22.03.2021