



# CASTOTEX

## NP 2011 SM

### Description

CASTOTEX NP 2011 SM is a transparent, cast polypropylene (CPP) film. Both sides heat sealable. One side treated.

Specially designed with higher heat resistance property for high heat treated applications such as pasteurization and sterilization applications at autoclave medical processes.

**We recommend to test NP 2011 SM at actual processing conditions and use before final approval.**

### Properties

- High temperature seal range on non-treated side
- Resistance to high heat on sealed areas
- High clarity and gloss
- Excellent ink and lamination adhesion
- Good moisture barrier
- Resistance to chemicals, greases and oils
- Excellent machinability
- The film shelf life is 3 months

## Technical Features

PROPERTIES	TEST METHOD	UNITS	NP 2011 SM		
THICKNESS	ASTM F 2251	micron	35	40	70
		Gauge	140	160	280
YIELD	ASTM D 4321	m <sup>2</sup> /kg	31,7	27,8	15,9
		in <sup>2</sup> /Lbs	22.300	19.500	11.200
UNIT WEIGHT	ASTM D 4321	g/m <sup>2</sup>	31,5	36,0	62,9
HAZE	ASTM D 1003	%	3.5		6.0
GLOSS (45 °)	ASTM D 2457	%	90		80
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		135	
		°F		275	

(\*) Nontreated side to itself

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: 02 Date: 20.03.2025