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COSMOPLENE® SLF173

CHARACTERISTICS

COSMOPLENE SLF173 is Polypropylene Terpolymer product designed for BOPP film with standard heat sealing, good optical properties and excellent processibility in terms of roll stickiness.

APPLICATIONS

COSMOPLENE SLF173 is suitable for skin layer as sealant material when co-extruded with Homo PP as core layer, for heat sealable and metalizable BOPP applications. SLF173 contains no film additives like slip and antiblocking agents.

SLF173 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 3.1a, as long as it is used unmodified and processed according to standard manufacturing practices in the industries.

Note : Direct food contact is subjected to the extraction provisions of the regulation on the finished food contact article.

PHYSICAL PROPERTIES

ITEM	UNIT	SLF173	TEST METHOD
Melt Flow Rate	g/10 mins	4.7	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at break	MPa	42	ASTM D638
Elongation	%	940	ASTM D638
Stiffness	MPa	630	ASTM D747
Melting Point	°C	140	TPC METHOD

FILM PROPERTIES (CPP 30 micron)

ITEM	UNIT	SLF173	TEST METHOD
Haze	%	0.5	ASTM D1003
Gloss	%	150	ASTM D2457
Young Modulus (MD) (TD)	MPa	340 300	TPC METHOD
Heat Seal Temperature (@ 2 sec, 2kg/cm ² , 300g/25mm)	°C	122	TPC METHOD
Resin Temperature	°C	240	
Chill Roll Temperature	°C	26	
Thickness	μ	30	

- The figures presented are typical laboratory averages, only for reference.
- The information is based on our current knowledge, is subjected to continuous updates and is intended to suggest/ recommend product applications and to provide typical data on the related properties. It should not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty of any kind, expressed or implied, regarding the accuracy of these data.



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COSMOPLENE®
POLYPROPYLENE

COSMOTHENE®
LOW DENSITY POLYETHYLENE

COSMOTHENE® EVA
ETHYLENE VINYL
ACETATE COPOLYMER