



The Polyolefin Company (Singapore) Pte

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COSMOPLENE[®] FS5612

CHARACTERISTICS

COSMOPLENE FS5612 is Polypropylene Terpolymer product designed for BOPP with standard heat sealing, good optical properties and excellent processibility in terms of roll stickiness.

APPLICATIONS

COSMOPLENE FS5612 is suitable for skin layer as sealant material when extruded with Homo PP as core layer, for heat sealable and metalizable applications. **FS5612** contains no film additives like slip and antiblocking agents.

FS5612 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 3.2a, as long as 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 contact article.

PHYSICAL PROPERTIES

ITEM	UNIT	FS5612	TEST METHOD
Melt Flow Rate	g/10 mins	5.5	ASTM D12
Density	g/cm ³	0.90	ASTM D79
Tensile Strength at break	MPa	45	ASTM D63
Elongation	%	900	ASTM D63
Stiffness	MPa	830	ASTM D74
Melting Point	°C	134	TPC METH

FILM PROPERTIES (CPP 30 micron)

ITEM	UNIT	FS5612	TEST METHOD
Haze	%	0.5	ASTM D10
Gloss	%	150	ASTM D24
Young Modulus (MD) (TD)	MPa	420 420	TPC METH
Heat Seal Temperature (@ 2 sec, 2kg/cm ² , 300g/25mm)	°C	120	TPC METH
Resin Temperature	°C	235	
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 is not therefore be construed as guaranteeing any specific property of the product. TPC makes no warranty.