



COSMOPLENE[®] FS5612

CHARACTERISTICS

COSMOPLENE FS5612 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 FS5612 is suitable for skin layer as sealant material when co-extruded with Homo PP as core layer, for heat sealable and metalizable BOPP 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 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	FS5612	TEST METHOD
Melt Flow Rate	g/10 mins	5.5	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at break	MPa	45	ASTM D638
Elongation	%	900	ASTM D638
Stiffness	MPa	830	ASTM D747
Melting Point	°C	134	TPC METHOD

FILM PROPERTIES (CPP 30 micron)

ITEM	UNIT	FS5612	TEST METHOD
Haze	%	0.5	ASTM D1003
Gloss	%	150	ASTM D2457
Young Modulus (MD)	MPa	420	TPC METHOD
(TD)		420	
Heat Seal Temperature (@ 2 sec, 2kg/cm ² , 300g/25mm)	°C	120	TPC METHOD
Resin Temperature	°C	235	
Chill Roll Temperature	°C	26	
Thickness	μ	30	

