



COSMOPLENE® FS5712

CHARACTERISTICS

COSMOPLENE FS5712 is Polypropylene Terpolymer product designed for BOPP with low heat seal temperature, high transparency, surface gloss and excellent processibility.

APPLICATIONS

COSMOPLENE FS5712 is suitable for skin layer when coextruded with PP Homo as core layer for heat sealable film application. FS5712 contains film additives like antiblocking agent and slip agent.

FS5712 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	FS5712	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	40	ASTM D638
Elongation	%	860	ASTM D638
Stiffness	MPa	570	ASTM D747
Melting Point	°C	127	TPC METHOD

FILM PROPERTIES (CPP)

ITEM	UNIT	FS5712	TEST METHOD
Haze	(%)	1.2	ASTM D1003
Gloss	(%)	146	ASTM D2457
Young Modulus (MD)	MPa	390	TPC METHOD
(TD)		390	
Heat Seal Temperature	(°C)	115	TPC METHOD
Die 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.

