



COSMOPLENE® FL7013E2

CHARACTERISTICS

COSMOPLENE FL7013E2 is Polypropylene Homopolymer product with good Aluminum adhesiveness and stiffness/impact balance.

APPLICATIONS

COSMOPLENE FL7013E2 is designed for Aluminum metalized cast film (MCP) application and can be coextruded with selected Copolymer for heat seal purposes.

FL7013E2 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 1.1a, 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	FL7013E2	TEST METHOD
Melt Flow Rate	g/10 mins	7	ASTM D1238
Density	g/cm ³	0.90	ASTM D792
Tensile Strength at break	MPa	44.1	ASTM D638
Elongation	%	800	ASTM D638
Stiffness	MPa	1,420	ASTM D747
Melting Point	°C	165	TPC METHOD

FILM PROPERTIES

ITEM	UNIT	FL7013E2	TEST METHOD	
Haze	%	4.6	ASTM D1003	
Gloss	%	120	ASTM D2457	
Young Modulus	MD TD	MPa	810 790	TPC METHOD
Film thickness	μ	30		
Resin Temperature	°C	250		
Chill Roll Temperature	°C	50		

- 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.

