



# The Polyolefin Company (Singapore) Pte. Ltd.

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Co. Reg. No.: 198001666D

## 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 <sup>3</sup>	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	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.



Responsible Care



CERTIFICATE SG99/16071



CERTIFICATE TW05/00847EM

Aug 2008

**COSMOPLENE®**

POLYPROPYLENE

**COSMOTHENE®**

LOW DENSITY POLYETHYLENE

**COSMOTHENE® EVA**

ETHYLENE VINYL  
ACETATE COPOLYMER

**ACRYFT®**

ETHYLENE METHYL  
METHACRYLATE