



# The Polyolefin Company (Singapore) Pte. Ltd.

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Co. Reg. No.: 198001666D

## COSMOPLENE<sup>®</sup> FL7641L

### CHARACTERISTICS

**COSMOPLENE FL7641L** is Polypropylene Terpolymer product with good Aluminum adhesiveness, good process stability and low seal temperature.

### APPLICATIONS

**COSMOPLENE FL7641L** is designed for heat sealing layer in Aluminum metalized cast film (MCP) application. **FL7641L** contains antiblocking agent only.

**FL7641L** 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	FL7641L	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	ASTM D638
Elongation	%	900	ASTM D638
Stiffness	MPa	830	ASTM D747
Melting Point	°C	133	TPC METHOD

### FILM PROPERTIES (30 $\mu$ )

ITEM	UNIT	FL7641L	TEST METHOD
Haze	%	2.6	ASTM D1003
Gloss	%	160	ASTM D2457
Young Modulus (MD)	MPa	490	TPC METHOD
(TD)		490	
Heat Seal Temperature	°C	120	TPC METHOD
Resin stock Temperature	°C	240	
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.



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**COSMOPLENE<sup>®</sup>**

**COSMOTHENE<sup>®</sup>**

**COSMOTHENE<sup>®</sup> EVA**

POLYPROPYLENE

LOW DENSITY POLYETHYLENE

ETHYLENE VINYL ACETATE COPOLYMER