



# COSMOTHENE<sup>®</sup> F108-5

## CHARACTERISTICS

**COSMOTHENE F108-5** is specially design for excellent shrinkage, toughness and strength. **F108-5** is not formulated with slip and antiblocking agent.

## APPLICATIONS

Shrink film food packaging, heavy duty bag & etc.

**F108-5** complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 2.1, 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	F108-5	TEST METHOD
Melt Flow Rate	g/10 mins	0.4	ASTM D1238
Density	g/cm <sup>3</sup>	0.921	ASTM D792
Tensile Strength at break	Mpa	19.6	ASTM D638
Elongation	%	700	ASTM D638
Stiffness	Mpa	210	ASTM D747
Melting Point	°C	109	TPC METHOD

## FILM PROPERTIES

ITEM	UNIT	F108-5	TEST METHOD
Haze	%	7.0	ASTM D1003
Gloss	%	100	ASTM D2457
Slip	Tan θ	0.90	TPC METHOD
Blocking	g/100cm <sup>2</sup>	20	ASTM D3354
Thickness	μ	30	

## PROCESSING CONDITIONS

Extruder : 50mmø L/D : 26, C.R : 3.4

Temperature (°C) :	C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	H	Die	Stock
	155	160	175	200	190	190

- 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.

