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Co. Reg. No.: 198001666D

COSMOTHENE® F410-1

CHARACTERISTICS

Excellent transparency, stiffness and processibility. **F410-1** is formulated with medium level of slip and antiblocking agent.

APPLICATIONS

Transparent thin gauge bag, shopping bag, zipper bag and many others general purpose bag.

F410-1 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	F410-1	TEST METHOD
Melt Flow Rate	g/10 mins	5	ASTM D1238
Density	g/cm ³	0.923	ASTM D792
Tensile Strength at break	MPa	13.7	ASTM D638
Elongation	%	550	ASTM D638
Stiffness	MPa	240	ASTM D747
Melting Point	°C	111	TPC Method

FILM PROPERTIES

ITEM	UNIT	F410-1	TEST METHOD
Haze	%	4.0	ASTM D1003
Gloss	%	120	ASTM D2457
Slip	Tan θ	0.14	TPC Method
Blocking	g/100cm ²	30	ASTM D3354
Thickness	μ	30	

PROCESSING CONDITIONS

Extruder : 50mm \emptyset L/D : 26, C.R : 3.4

Temperature (°C) :	C ₁	C ₂	C ₃	H	Die	Stock
	130	145	155	160	160	160

- The figures presented are typical laboratory averages, only for reference.



Responsible Care



CERTIFICATE SG9916071



CERTIFICATE TW0500847EM

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COSMOPLENE®

POLYPROPYLENE

COSMOTHENE®

LOW DENSITY POLYETHYLENE

COSMOTHENE® EVA

ETHYLENE VINYL
ACETATE COPOLYMER

ACRYFT®

ETHYLENE METHYL
METHACRYLATE