



COSMOTHENE[®] L712

CHARACTERISTICS

COSMOTHENE L712 is low density polyethylene which has good bonding strength with substrates, good heat seal property and excellent processability for thinner coating. L712 is not formulated with additives.

APPLICATIONS

Extrusion coating on polyester film, biaxially oriented PP (BOPP) film, paper, aluminium foil and PE woven cloth.

L712 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	L712	TEST METHOD
Melt Flow Rate	g/10 mins	7.0	ASTM D1238
Density	g/cm ³	0.917	ASTM D792
Tensile Strength at break	MPa	13.0	ASTM D638
Elongation	%	650	ASTM D638
Stiffness	MPa	180	ASTM D747
Melting Point	°C	106	TPC METHOD

PROCESSING PROPERTIES & CONDITIONS

ITEM	SPEED	UNIT	L712	TEST METHOD
Neck-in	200m/min	mm	80	TPC METHOD

Base film : BOPP; 20μ
 Extruder : 65mmø laminator, L/D : 24, C.R. : 3.5

Temperature (°C) :	C ₁	C ₂	C ₃	C ₄	H	A	Die
	200	290	330	330	330	330	330

- 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.

