



The Polyolefin Company (Singapore) Pte

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COSMOTHENE® L420

CHARACTERISTICS

COSMOTHENE L420 shows good balance between neck-in and processability, good heat seal property, good adhesion (with base film). **COSMOTHENE L420** is not formulated with additives.

APPLICATIONS

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

L420 complies with U.S. FDA Regulation 21 CFR 177.1520 (C) 2.1, as long as 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 contact article.

PHYSICAL PROPERTIES

ITEM	UNIT	L420	TEST METHOD
Melt Flow Rate	g/10 mins	3.5	ASTM D1238
Density	g/cm ³	0.918	ASTM D792
Tensile Strength at break	MPa	14.7	ASTM D638
Elongation	%	650	ASTM D638
Stiffness	MPa	190	ASTM D747
Melting Point	°C	107	TPC METHOD

PROCESSING PROPERTIES & CONDITIONS

ITEM	SPEED	UNIT	L420	TEST METHOD
Neck-in	150m/min	mm (2 sides)	120	TPC METHOD

Base film : BOPP; 20μ
 Extruder : 90mmø laminator, L/D : 24, C.R. : 3.5

Temperature (°C) :	C ₁	C ₂	C ₃	C	H	Die	Stock
	240	270	300	330	330	330	305

- 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.