

COSMOPLENE® FL7320L

Polypropylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE FL7320L is Polypropylene Terpolymer product with better Aluminum adhesiveness, higher heat resistance and good wetting tension retention after corona treatment.

COSMOPLENE FL7320L is designed for Aluminum metalized cast film (M-CPP) application. FL7320L contains antiblocking agent only.

General Information			
Additive	Antiblock		
Features	Antiblocking		
	Good Adhesion		
	High Heat Resistance		
	Metallizable		
	Terpolymer		
Uses	Cast Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	45.0	MPa	ASTM D638
Tensile Elongation (Break)	870	%	ASTM D638
Apparent Bending Modulus	1200	MPa	ASTM D747
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	Internal Method
Secant Modulus			
MD : 30 µm	690	MPa	
TD : 30 µm	710	MPa	Internal Method
Seal Initiation Temperature (30 µm)	130	°C	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	146	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (30.0 µm)	165		ASTM D2457
Haze (30.0 µm)	2.0	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	240	°C	
Take-Off Roll	26.0	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

