

COSMOPLENE® FL7540L

Polypropylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE FL7540L is Polypropylene Terpolymer product with good Aluminum adhesiveness, good process stability and high gloss. COSMOPLENE FL7540L is designed for Aluminum metalized cast film (M-CPP) application. FL7540L contains antiblocking agent only.

General Information			
Additive	Antiblock		
Features	Antiblocking		
	Good Adhesion		
	Good Processing Stability		
	High Gloss		
	Metallizable		
	Terpolymer		
Uses	Cast Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	44.0	MPa	ASTM D638
Tensile Elongation (Break)	850	%	ASTM D638
Apparent Bending Modulus	980	MPa	ASTM D747
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	
Secant Modulus			Internal Method
MD : 30 µm	520	MPa	
TD : 30 µm	530	MPa	
Seal Initiation Temperature (30 µm)	125	°C	Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	138	°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	Test Method
Melt Temperature	240	°C	
Take-Off Roll	50.0	°C	

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