

COSMOPLENE® FL7641L

Polypropylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE FL7641L is Polypropylene Terpolymer product with good Aluminum adhesiveness, good process stability and low seal temperature. COSMOPLENE FL7641L is designed for heat sealing layer in Aluminum metalized cast film (MCPPE) application. FL7641L contains antiblocking agent only.

General Information			
Additive	Antiblock		
Features	Antiblocking		
	Good Adhesion		
	Good Processing Stability		
	Low Temperature Heat Sealability		
	Metallizable		
	Terpolymer		
Uses	Cast Film		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
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)	900	%	ASTM D638
Apparent Bending Modulus	830	MPa	ASTM D747
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	30	µm	Internal Method
Secant Modulus			
MD : 30 µm	490	MPa	
TD : 30 µm	490	MPa	
Seal Initiation Temperature (30 µm)	120	°C	Internal Method
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	133	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Gloss (30.0 µm)	160		ASTM D2457
Haze (30.0 µm)	2.6	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	240	°C	
Take-Off Roll	50.0	°C	

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