

COSMOTHENE® F117-1

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOTHENE® F117-1 is a Low Density Polyethylene product. It can be processed by film extrusion and is available in Asia Pacific. Applications of COSMOTHENE® F117-1 include bags/liners, film and wrap.

Characteristics include:

Antistatic

Clarity

Good Stiffness

General Information			
Additive	Antistatic		
Features	Antistatic		
	Good Stiffness		
	Good Strength		
	High Clarity		
Uses	Film		
	Heavy-duty Bags		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.923	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	0.25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	20.6	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Apparent Bending Modulus	235	MPa	ASTM D747
Thermal	Nominal Value	Unit	
Melting Temperature	111	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	130 to 150	°C	
Cylinder Zone 2 Temp.	150 to 170	°C	
Cylinder Zone 3 Temp.	160 to 180	°C	
Adapter Temperature	170 to 190	°C	
Melt Temperature	170 to 190	°C	
Die Temperature	170 to 190	°C	

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Recommended distributors for this material

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