

TIPOLEN® FC 243-51

Low Density Polyethylene
MOL Petrochemicals Co. Ltd.

Message:

TIPOLEN FC 243-51 is a film grade of low density polyethylene with, good molten stability and excellent processability. The films made of this grade have good mechanical properties. The grade does not contain any additives.

TIPOLEN FC 243-51 is intended for general purpose films, bubble films and foamed sheets. Recommended film thickness is 0.04-0.08 mm.

TIPOLEN FC 243-51 is suitable for food contact, for manufacturing of pharmaceutical packing products and toys. The product complies with Food Contact, Pharmaceutical and Toy Safety Regulations.

General Information	
Features	Additive Free
	Food Contact Acceptable
	General Purpose
	Good Processability
	Low Density
	Opticals
	Recyclable Material
Uses	Blow Molding Applications
	Film
	General Purpose
Forms	Pellets
Processing Method	Blow Molding
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	48		ISO 868
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Film Thickness - Recommended / Available	0.04 to 0.08 mm		
Tensile Strength			ISO 527-3
MD : 40 µm, Blown Film	24.0	MPa	
TD : 40 µm, Blown Film	21.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 40 µm, Blown Film	270	%	
TD : Break, 40 µm, Blown Film	610	%	

Dart Drop Impact (40 µm, Blown Film)	80	g	ISO 7765-1
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	94.0	°C	ISO 306/A120
Optical	Nominal Value	Unit	Test Method
Haze (40.0 µm, Blown Film)	11	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 190	°C	

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Recommended distributors for this material

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