

# TIPOLEN® FB 243-55

Low Density Polyethylene  
MOL Petrochemicals Co. Ltd.

Message:

TIPOLEN FB 243-55 is a film grade of low density polyethylene with good mechanical properties and excellent processability. The grade contains slip and antiblocking agents.

Applications

TIPOLEN FB 243-55 is intended for shopping bags, packaging films, household films. Recommended film thickness is 0.04-0.10 mm.

TIPOLEN FB 243-55 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Antiblock (800 ppm)		
	Slip (400 ppm)		
Features	Antiblocking		
	Food Contact Acceptable		
	Good Processability		
	Recyclable Material		
	Slip		
Uses	Bags		
	Film		
	Household Goods		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	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 0.10 mm		
Tensile Strength			ISO 527-3
MD : 40 µm, Blown Film	25.0	MPa	
TD : 40 µm, Blown Film	20.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 40 µm, Blown Film	230	%	
TD : Break, 40 µm, Blown Film	550	%	
Dart Drop Impact (40 µm, Blown Film)	130	g	ISO 7765-1

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°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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