

TIPOLEN® FB 243-51

Low Density Polyethylene
MOL Petrochemicals Co. Ltd.

Message:

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

TIPOLEN FB 243-51 is intended for shopping bags, household films, fine shrink films, films for laminating and small blow mouldings. Recommended film thickness is 0.04-0.10 mm.

TIPOLEN FB 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		
	Good Processability		
	High Melt Stability		
	Recyclable Material		
Uses	Bags		
	Blow Molding Applications		
	Film		
	Household Goods		
	Laminates		
	Pharmaceutical Packaging		
	Shrink Wrap		
Forms	Toys		
	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	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	22.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 40 μm, Blown Film	260	%	
TD : Break, 40 μm, Blown Film	610	%	
Dart Drop Impact (40 μm, Blown Film)	120	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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