

TIPOLEN® FA 244-51

Low Density Polyethylene
MOL Petrochemicals Co. Ltd.

Message:

TIPOLEN FA 244-51 is a film grade of low density polyethylene. It contains 1% n-butyl-acrylate. It has good molten stability and excellent processability. The films made of this grade have excellent mechanical and optical properties.

TIPOLEN FA 244-51 is intended for manufacturing of heavy duty bags, agricultural films, silage films, shrink films, carrier bags, packaging films, household films, films for laminating in thickness 0.07-0.16 mm, blow moulded products, bottles.

TIPOLEN FA 244-51 is suitable for food contact and for manufacturing of pharmaceutical packing products. The product complies with Food Contact and Pharmaceutical Regulations.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Melt Stability		
	Opticals		
	Recyclable Material		
Uses	Agricultural Applications		
	Bags		
	Blow Molding Applications		
	Bottles		
	Film		
	Heavy-duty Bags		
	Household Goods		
	Laminates		
	Packaging		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.28	g/10 min	ISO 1133
n-Butyl Acrylate Content	1.0	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	70	µm	
Tensile Strength			ISO 527-3
MD : 70 µm, Blown Film	22.0	MPa	
TD : 70 µm, Blown Film	23.0	MPa	
Tensile Elongation			ISO 527-3

MD : Break, 70 μm, Blown Film	300	%	
TD : Break, 70 μm, Blown Film	550	%	
Dart Drop Impact (70 μm, Blown Film)	300	g	ISO 7765-1
Optical	Nominal Value	Unit	Test Method
Haze (70.0 μm, Blown Film)	14	%	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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