

TIPOLEN® FD 243-55

Low Density Polyethylene
MOL Petrochemicals Co. Ltd.

Message:

TIPOLEN FD 243-55 is a film grade of low density polyethylene. The films made of this grade have excellent mechanical and optical properties. The grade contains slip and antiblocking agents.

Applications

TIPOLEN FD 243-55 is intended for high clarity fine films, caps. Recommended film thickness is 0.04-0.08 mm.

TIPOLEN FD 243-55 is suitable for food contact and for manufacturing of toys. The product complies with Food Contact and Toy Safety Regulations.

General Information	
Additive	Antiblock (1400 ppm) Slip (700 ppm)
Features	Antiblocking Food Contact Acceptable Good Processability High Clarity Opticals Recyclable Material Slip
Uses	Caps Film
Forms	Pellets
Processing Method	Blown Film Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	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	20.0	MPa	
TD : 40 µm, Blown Film	17.0	MPa	
Tensile Elongation			ISO 527-3

MD : Break, 40 μm, Blown Film	290	%	
TD : Break, 40 μm, Blown Film	550	%	
Dart Drop Impact (40 μm, Blown Film)	80	g	ISO 7765-1
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.0	°C	ISO 306/A120
Optical	Nominal Value	Unit	Test Method
Haze (40.0 μm, Blown Film)	8.0	%	ISO 14782
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 190	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

