

TIPELIN® 7000F

High Density Polyethylene
MOL Petrochemicals Co. Ltd.

Message:

TIPELIN 7000F is a high density bimodal polyethylene copolymer (with butene-1 as comonomer) intended for blown film of products with excellent mechanical strength and good stiffness. It offers good processability at high speed. The grade contains antioxidant and acid scavenger.

Applications

TIPELIN 7000F is recommended for disposal waste bags, grocery bags and ultra-thin films.

TIPELIN 7000F is suitable for food contact and for manufacturing of pharmaceutical packing products. The product complies with Food Contact and Pharmaceutical Regulations.

General Information			
Additive	Acid Neutralizer		
	Antioxidant		
Features	Antioxidant		
	Bimodal Molecular Weight Distribution		
	Butene Comonomer		
	Disposable		
	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Recyclable Material		
Uses	Bags		
	Film		
	Pharmaceutical Packaging		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.080	g/10 min	
190°C/21.6 kg	9.0	g/10 min	
190°C/5.0 kg	0.30	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO 868
Films	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-3
MD : Yield, 15 µm, Blown Film	26.0	MPa	
TD : Yield, 15 µm, Blown Film	25.0	MPa	

MD : Break, 15 µm, Blown Film	67.0	MPa	
TD : Break, 15 µm, Blown Film	50.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 15 µm, Blown Film	500	%	
TD : Break, 15 µm, Blown Film	600	%	
Dart Drop Impact (15 µm, Blown Film)	240	g	ISO 7765-1/A
Elmendorf Tear Strength			ISO 6383-2
MD : 15 µm, Blown Film	0.15	N	
TD : 15 µm, Blown Film	1.5	N	
Spencer Impact - Blown Film (15.0 µm)	120	MPa	ASTM D3420
Oxidation Induction Time (200°C)	45	min	EN 728
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ISO 306/A120
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 165	°C	

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