

TIPELIN® FB 472-02

High Density Polyethylene
MOL Petrochemicals Co. Ltd.

Message:

TIPELIN FB 472-02 is a high density polyethylene copolymer (with hexen-1 as comonomer) grade. The film made of this type has good mechanical properties. The grade contains antioxidants and acid scavenger.

Applications

TIPELIN FB 472-02 is recommended for films, bags, shopping bags, garbage bags and blend component for LDPE in shrink films.

TIPELIN FB 472-02 is suitable for food contact. The product complies with Food Contact Regulations.

General Information			
Additive	Acid Neutralizer		
	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Hexene Comonomer		
Uses	Bags		
	Blending		
	Film		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.947	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.68	g/10 min	
190°C/21.6 kg	40	g/10 min	
190°C/5.0 kg	2.7	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (Compression Molded)	1250	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	40	µm	
Tensile Stress			ISO 527-3
MD : Yield, 40 µm, Blown Film	22.0	MPa	
TD : Yield, 40 µm, Blown Film	24.0	MPa	
MD : Break, 40 µm, Blown Film	67.0	MPa	

TD : Break, 40 µm, Blown Film	50.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break, 40 µm, Blown Film	800	%	
TD : Break, 40 µm, Blown Film	900	%	
Dart Drop Impact (40 µm, Blown Film)	55	g	ISO 7765-1/A
Elmendorf Tear Strength			ISO 6383-2
MD : 40 µm, Blown Film	0.24	N	
TD : 40 µm, Blown Film	2.9	N	
Spencer Impact - Blown Film (40.0 µm)	28.0	MPa	ASTM D3420
Oxidation Induction Time - Compression Molded (200°C)		min	EN 728
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ISO 306
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 220	°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

