

NEFTEKHIM PE 5117N (18601)

Linear Low Density Polyethylene

Nizhnekamskneftekhim Inc.

Message:

Product obtained by gas phase polymerization of ethylene in presence of complex metalorganic catalysts.
Stabilization recipe: antacid, antioxidant, thermostabilizer, lubricant, antiblocking agent, dispersing agent.
Application: high strength blown films.
Technical requirements: TU 2211-145-05766801-2008

General Information			
Additive	Acid Neutralizer		
	Antiblock		
	Antioxidant		
	Heat Stabilizer		
	Lubricant		
Features	Acid Resistant		
	Antiblocking		
	Antioxidant		
	Dispersible		
	Heat Stabilized		
	High Strength		
	Lubricated		
Uses	Film		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.916 to 0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80 to 1.2	g/10 min	ASTM D1238
Gel Content ¹			
> 200.0 µm	250	pcs/m ²	
200.0 to 500.0 µm	245	pcs/m ²	
500.0 to 1000.0 µm	5.00	pcs/m ²	
> 1.00 mm	0.00	pcs/m ²	
Melt Flow Ratio - MFR 21.6 kg/MFR 2.16 kg	< 30.0		ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
2% Secant, MD	130	MPa	
2% Secant, TD	140	MPa	

Tensile Strength			ASTM D882
MD : Yield	50.0	MPa	
TD : Yield	35.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	700	%	
TD : Break	950	%	
Dart Drop Impact	210	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	240	g	
TD	480	g	
NOTE			

1. p.6 Attachment A TU
2211-14505766801

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