

NEFTEKHIM PE 4121N (22401)

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 stiffness blown films; lamination; blending.
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 Stiffness		
	Lubricated		
Uses	Blending		
	Film		
	Laminates		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.920 to 0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90 to 1.3	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	150	MPa	
2% Secant, TD	180	MPa	
Tensile Strength			ASTM D882
MD : Yield	45.0	MPa	
TD : Yield	30.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	650	%	
TD : Break	700	%	
Dart Drop Impact	80	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	120	g	
TD	400	g	

NOTE

1. p.6 Attachment A TU
2211-14505766801

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