

NEFTEKHIM PE 5122Q

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, dispersing agent.

Application: high strength tubular films.

Technical requirements: TU 2211-145-05766801-2008

General Information			
Additive	Acid Neutralizer		
	Antioxidant		
	Heat Stabilizer		
Features	Acid Resistant		
	Antioxidant		
	Dispersible		
	Heat Stabilized		
	High Strength		
Uses	Film		
	Tubing		
Forms	Pellets		
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)	2.5 to 3.5	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	115	MPa	
2% Secant, TD	120	MPa	
Tensile Strength			ASTM D882
MD : Yield	53.0	MPa	
TD : Yield	30.0	MPa	

Tensile Elongation			ASTM D882
MD : Break	500	%	
TD : Break	900	%	
Dart Drop Impact	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	190	g	
TD	450	g	

NOTE

1. p.6 Attachment A TU
2211-14505766801

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