

NEFTEKHIM PE 4148B (484H2)

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, processing aid, dispersing agent.
Application: high strength blown film for thin bags..
Technical requirements: TU 2211-145-05766801-2008

General Information			
Additive	Acid Neutralizer		
	Antioxidant		
	Heat Stabilizer		
	Processing Aid		
Features	Acid Resistant		
	Antioxidant		
	Dispersible		
	Good Processability		
	Heat Stabilized		
	High Strength		
Uses	Bags		
	Film		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Density	0.946 to 0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.15 to 0.30	g/10 min	ASTM D1238
Gel Content ¹	600	pcs/m ²	
Melt Flow Ratio - MFR 21.6 kg/MFR 5.0 kg	< 20.0		ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
2% Secant, MD	700	MPa	
2% Secant, TD	650	MPa	
Tensile Strength			ASTM D882
MD : Yield	52.0	MPa	
TD : Yield	48.0	MPa	
Tensile Elongation			ASTM D882

MD : Break	480	%	
TD : Break	600	%	
Dart Drop Impact	170	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	13	g	
TD	60	g	

NOTE

1. p.6 Attachment A TU
2211-14505766801

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