

NEFTEKHIM PP 1421H (S38CA)

Polypropylene Homopolymer

Nizhnekamskneftekhim Inc.

Message:

Product obtained by polymerization of propylene in presence of complex organic metal catalysts.
It incorporates increased long-term thermal stability, thermaloxidative degradation resistance when PP is produced, processed and PP-made articles are exploited. Durable antistatic and slipping properties for film.
Application: biaxial oriented uni- and multilayer film.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Antistatic		
	Slip		
Features	Antistatic		
	Good Thermal Stability		
	Homopolymer		
	Oxidation Resistant		
	Slip		
Uses	Bi-axially Oriented Film		
	Film		
	Multilayer Film		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	
Apparent Density	0.48 to 0.52	g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8 to 2.4	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Gel Content ¹			
> 200.0 μm	300	pcs/m ²	
0.700 to 1.50 mm	3.00	pcs/m ²	
1.50 to 2.50 mm	0.00	pcs/m ²	
> 2.50 mm	0.00	pcs/m ²	
Thermal Creep Temperature ²	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	15.0	day	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82 to 95		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ³	150 to 154	°C	
NOTE			
1.	p.4.8 TU 2211-136-05766801-2006		
2.	at load 0.46 H/mm ²		
3.	in liquid medium under force 10 H		

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