

NEFTEKHIM PP 1461R

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, improved rheology of melt, ambient discoloration resistance.
Application: nonwoven fabric, thread.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Controlled Rheology		
	Good Color Stability		
	Good Thermal Stability		
	Homopolymer		
	Oxidation Resistant		
Uses	Fabrics		
	Nonwovens		
	Yarn		
Forms	Pellets		
Processing Method	Filament 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)	20 to 30	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature ¹	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	6.3	day	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82 to 95		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1300	MPa	ASTM D790
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ²	150 to 154	°C	
NOTE			
1.	at load 0.46 H/mm ²		
2.	in liquid medium under force 10 H		

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