

# NEFTEKHIM PP 1460R

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.  
Application: nonwoven fabric, thread.  
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Controlled Rheology		
	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 <sup>3</sup>	
Apparent Density	0.48 to 0.52	g/cm <sup>3</sup>	
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 <sup>1</sup>	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 <sup>2</sup>	150 to 154	°C	
NOTE			
1.	at load 0.46 H/mm <sup>2</sup>		
2.	in liquid medium under force 10 H		

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