

# NEFTEKHIM PP 1500P (V30G)

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.

Application: molded technical and domestic articles, compounding

Technical requirements: TU 2211-136-05766801-2006

General Information	
Features	Good Thermal Stability
	Homopolymer
	Oxidation Resistant
Uses	Compounding
	Engineering Parts
	Household Goods
Forms	Pellets
Processing Method	Compounding
	Injection Molding

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)	15 to 20	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)	15.0	day	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82 to 95		

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1400	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	25	J/m	ASTM D256

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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