

# NEFTEKHIM PP 1532B (YD50G)

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 antistatic properties to produce articles.  
Application: high temperature sewers, profiles, extrusion, blow molding.  
Technical requirements: TU 2211-136-05766801-2006

General Information	
Additive	Antistatic
Features	Antistatic
	Good Thermal Stability
	Homopolymer
	Oxidation Resistant
Uses	Blow Molding Applications
	Plumbing Parts
	Profiles
Forms	Pellets
Processing Method	Blow Molding
	Extrusion
	Extrusion Blow Molding
	Profile 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)			ASTM D1238
190°C/5.0 kg	0.40 to 0.70	g/10 min	
230°C/2.16 kg	0.20 to 0.40	g/10 min	
230°C/5.0 kg	0.90 to 1.5	g/10 min	
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature <sup>1</sup>	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	3.1	month	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82 to 95		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.0	MPa	ASTM D638

Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	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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