

# NEFTEKHIM PP 1550J (T30S)

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: film thread for bags, packing rope and string.  
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Good Thermal Stability		
	Homopolymer		
	Oxidation Resistant		
Uses	Bags		
	Film		
	Rope		
	Twine		
Forms	Pellets		
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)	2.9 to 3.5	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Gel Content <sup>1</sup>			
> 200.0 µm	500	pcs/m <sup>2</sup>	
0.700 to 1.50 mm	50.0	pcs/m <sup>2</sup>	
1.50 to 2.50 mm	3.00	pcs/m <sup>2</sup>	
> 2.50 mm	0.00	pcs/m <sup>2</sup>	
Thermal Creep Temperature <sup>2</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
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 <sup>3</sup>	150 to 154	°C	

## NOTE

- |    |                                   |
|----|-----------------------------------|
| 1. | p.4.8TU 2211-136-05766801-2006    |
| 2. | at load 0.46 H/mm <sup>2</sup>    |
| 3. | in liquid medium under force 10 H |

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