

# NEFTEKHIM PP 1500H (S30G)

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 and extruded technical articles.  
Technical requirements: TU 2211-136-05766801-2006

General Information	
Features	Good Thermal Stability Homopolymer Oxidation Resistant
Forms	Pellets
Processing Method	Extrusion 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)	1.4 to 2.4	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
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

