NEFTEKHIM PP 1500K

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: jet molding, extrusion, hot shaping, compounding.
Technical requirements: TU 2211-136-05766801-2006

General Information	
Features	Good Thermal Stability Homopolymer Oxidation Resistant
Uses	Compounding
Forms	Pellets
Processing Method	Compounding Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	
Apparent Density	0.48 to 0.52	g/cm³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.6 to 4.6	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature [1]	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)	32.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	
Vicat Softening Temperature [2]	150 to 154	°C	

NOTE	
1.	at load 0.46 H/mm²
2.	in liquid medium under force 10 H

Recommended distributors for this material

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