

NEFTEKHIM PP 1548R

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, enhanced rigidity and stability for article dimensions, very good antistatic properties, improved rheology of melt.

Application: caps and covers, accessories, household goods, jet molding.

Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Antistatic		
Features	Antistatic		
	Controlled Rheology		
	Good Dimensional Stability		
	Good Thermal Stability		
	High Rigidity		
	Homopolymer		
Uses	Oxidation Resistant		
	Caps		
	Hospital Goods		
Forms	Protective Coverings		
	Pellets		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	
Apparent Density	0.48 to 0.52	g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 to 30	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
Flexural Modulus	1500	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 ²	150 to 154	°C	

NOTE

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

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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

