NEFTEKHIM PP 1553L

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. Recipe preventing from ambient discoloration.
Application: needle-punched geotextiles, staple fibre.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Good Color Stability Good Thermal Stability Homopolymer Oxidation Resistant		
Uses	Staple Fibers Textile Applications		
Forms	Pellets		
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)	4.5 to 6.5	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Gel Content [1]			
> 200.0 µm	500	pcs/m²	
0.700 to 1.50 mm	50.0	pcs/m²	
1.50 to 2.50 mm	3.00	pcs/m²	
> 2.50 mm	0.00	pcs/m²	
Thermal Creep Temperature [2]	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 (Break)	10	%	ASTM D638
Flexural Modulus	1300	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	
Vicat Softening Temperature [3]	150 to 154	°C	
NOTE			

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

Recommended distributors for this material

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WECHAT