NEFTEKHIM PP 1452S (H39S)

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, higher resistance of articles to ambient discoloration.
Application: flat-slot extrusion film, tubular film, bulked continuous filament and thread.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Good Color Stability Good Thermal Stability Homopolymer Oxidation Resistant		
Uses	BCF Yarn Fibers Filaments Film Tubing		
Forms	Pellets		
Processing Method	Film Extrusion		
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)	30 to 40	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Gel Content [1]			
> 200.0 µm	250	pcs/m²	
0.700 to 1.50 mm	10.0	pcs/m²	
1.50 to 2.50 mm	0.00	pcs/m²	
> 2.50 mm	0.00	pcs/m²	
Thermal Creep Temperature [2]	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	6.3	day	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	82 to 95		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus	1250	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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