

NEFTEKHIM PP 1551J (T30SW)

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, stabilizing recipe resistance to water washout.
Application: film thread for sacks, tubular film..
Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Unspecified Stabilizer		
Features	Good Stability		
	Good Thermal Stability		
	Homopolymer		
	Oxidation Resistant		
Uses	Fibers		
	Film		
	Tubing		
Forms	Pellets		
Processing Method	Film Extrusion		
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)	2.9 to 3.5	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Gel Content ¹			
> 200.0 µm	500	pcs/m ²	
0.700 to 1.50 mm	50.0	pcs/m ²	
1.50 to 2.50 mm	3.00	pcs/m ²	
> 2.50 mm	0.00	pcs/m ²	
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)	34.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	1400	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	

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