NEFTEKHIM PP 4254N

Polypropylene Copolymer

Nizhnekamskneftekhim Inc.

Message:

Product obtained by copolymerization of propylene and ethylene in presence of complex metalorganic catalysts.
It incorporates increased long-term thermal stability, thermal-oxidative degradation resistance when PP is produced, processed and PP-made articles are exploited, ambient discoloration resistance.
Application: staple fibre for nonwoven fabric, component to reduce rigidity of homopolymer fibre.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Copolymer Good Color Stability Good Thermal Stability Oxidation Resistant		
Uses	Nonwovens Staple Fibers		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	g/cm³	
Apparent Density	0.48 to 0.60	g/cm³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0 to 12	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	5.00	pcs/m²	
1.50 to 2.50 mm	0.00	pcs/m²	
> 2.50 mm	0.00	pcs/m²	
Thermal Creep Temperature [2]	70 to 80	°C	
Thermal-oxidative Deterioration (150°C)	15.0	day	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	75 to 82		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	35	J/m	ASTM D256

Thermal	Nominal Value	Unit
Vicat Softening Temperature [3]	130 to 138	°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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