

NEFTEKHIM PP 8540N (EPF31H)

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, effective nucleation.
Application: covers and caps, dishware, automobile parts.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Nucleating Agent		
Features	Block Copolymer		
	Good Thermal Stability		
	Nucleated		
	Oxidation Resistant		
Uses	Automotive Applications		
	Caps		
	Protective Coverings		
	Table Products		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	
Apparent Density	0.48 to 0.60	g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10 to 15	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature ¹	64 to 90	°C	
Thermal-oxidative Deterioration (150°C)	15.0	day	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	40 to 88		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	30	J/m	
23°C	85	J/m	
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ²	126 to 150	°C	
NOTE			

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|----|-----------------------------------|
| 1. | at load 0.46 H/mm ² |
| 2. | in liquid medium under force 10 H |

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