

NEFTEKHIM PP 8400K

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.
Application: hot shaping, profiles, containers, boxes, scoops, injection molding.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Block Copolymer		
	Good Thermal Stability		
	Oxidation Resistant		
Uses	Containers		
	Profiles		
Forms	Pellets		
Processing Method	Injection Molding		
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)	3.5 to 4.5	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	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	40	J/m	
23°C	100	J/m	
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ²	126 to 150	°C	
NOTE			
1.	at load 0.46 H/mm ²		
2.	in liquid medium under force 10 H		

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