NEFTEKHIM PP 4445S

Polypropylene Copolymer

Nizhnekamskneftekhim Inc.

Message:

Product obtained by copolymerization of propylen and ethylene in presence of complex metal organic catalysts. Incorporates long-term thermal stability, thermal-oxidative degradation resistance when PP is produced, processed and PP-made articles are exploited, effective nucleation, improved optical properties, improved antistatic properties for articles production and improved melt rheology. Application: jet molding of high quality food packaging.

Technical requirements: TU 2211136057668012006

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Copolymer		
	Good Thermal Stability		
	Nucleated		
	Oxidation Resistant		
Uses	Food Packaging		
Forms	Pellets		
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)	35 to 45	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
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
Flexural Modulus	> 950	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	> 45	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Deflection Temperature Under Load (0.45 MPa, Unannealed)	70.0 to 80.0	°C	
Vicat Softening Temperature ¹	130 to 138	°C	
NOTE			
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in liquid medium under force 10 N

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