

NEFTEKHIM PP 1432C (D50S)

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. Improved antistatic properties to produce articles.
Application: molded and extruded technical articles, sheets and profiles, extrusion, blow molding.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Antistatic		
Features	Antistatic		
	Good Thermal Stability		
	Homopolymer		
	Oxidation Resistant		
Uses	Blow Molding Applications		
	Engineering Parts		
	Profiles		
	Sheet		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Extrusion Blow Molding		
	Injection Molding		
	Profile Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1238
Apparent Density	0.48 to 0.52	g/cm ³	
Melt Mass-Flow Rate (MFR)			
190°C/5.0 kg	0.50 to 0.90	g/10 min	
230°C/2.16 kg	0.30 to 0.50	g/10 min	
230°C/5.0 kg	1.2 to 1.9	g/10 min	
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature ¹	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	3.1	month	
Hardness	Nominal Value	Unit	Test Method


Rockwell Hardness (R-Scale)	82 to 95		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	33.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ²	150 to 154	°C	
NOTE			
1.	at load 0.46 H/mm ²		
2.	in liquid medium under force 10 H		

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