

NEFTEKHIM PP 4242N (EP2X29GK)

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, improved transparency, improved antistatic properties.
Application: packaging, dishware, containers.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Antistatic		
Features	Antistatic		
	Copolymer		
	Good Thermal Stability		
	High Clarity		
	Oxidation Resistant		
Uses	Containers		
	Packaging		
	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)	9.0 to 12	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature ¹	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)	25.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ²	130 to 138	°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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