

NEFTEKHIM PP 4340N (EP2X49GA)

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, improved transparency, improved antistatic properties.
Application: dishware, containers, injection molding, flat-slot extrusion film.
Technical requirements: TU 2211-136-05766801-2006

General Information	
Additive	Antistatic
	Nucleating Agent
Features	Antioxidant
	Copolymer
	Good Thermal Stability
	High Clarity
	Nucleated
	Oxidation Resistant
Uses	Containers
	Film
	Table Products
Forms	Pellets
Processing Method	Film Extrusion
	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)	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)	27.0	MPa	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638

Flexural Modulus	950	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ²	130 to 138	°C	

NOTE

1. at load 0.46 H/mm²
2. in liquid medium under force 10 H

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

