

# NEFTEKHIM PP 4342L

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: extrusion, hot shaping, injection-blow molding, onelayer and composite plates.

Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Antistatic		
Features	Antistatic		
	Copolymer		
	Good Thermal Stability		
	High Clarity		
	Oxidation Resistant		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	
Apparent Density	0.48 to 0.60	g/cm <sup>3</sup>	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0 to 7.0	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature <sup>1</sup>	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)	30.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Vicat Softening Temperature <sup>2</sup>	130 to 138	°C	
NOTE			
1.	at load 0.46 H/mm <sup>2</sup>		

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