

NEFTEKHIM PP 4240G (EP2S29B)

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 optical properties.
Application: extrusion and bow molding, hot shaping, tubular film.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Nucleating Agent		
Features	Copolymer		
	Good Thermal Stability		
	Nucleated		
	Opticals		
	Oxidation Resistant		
Uses	Film		
	Tubing		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion Blow Molding		
	Film Extrusion		
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)	1.5 to 2.0	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)	11	%	ASTM D638
Flexural Modulus	950	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	90	J/m	ASTM D256

Thermal	Nominal Value	Unit
Vicat Softening Temperature ²	130 to 138	°C
NOTE		
1.	at load 0.46 H/mm ²	
2.	in liquid medium under force 10 H	

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