

NEFTEKHIM PP 4210G (EP2S30B)

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, higher thermal-oxidative degradation resistance when PP is produced, processed and PP-made articles are exploited.
Application: extrusion of sheets, blow molding, tubular film.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Copolymer		
	Good Thermal Stability		
	Oxidation Resistant		
Uses	Blow Molding Applications		
	Film		
	Sheet		
	Tubing		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion Blow Molding		
	Film Extrusion		
	Sheet 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	%	
Gel Content ¹			
	> 200.0 µm	300	pcs/m ²
	0.700 to 1.50 mm	3.00	pcs/m ²
	1.50 to 2.50 mm	0.00	pcs/m ²
	> 2.50 mm	0.00	pcs/m ²
Thermal Creep Temperature ²	70 to 80	°C	
Thermal-oxidative Deterioration (150°C)	20.8	day	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75 to 82		
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Yield)	11	%	ASTM D638
Flexural Modulus	900	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 ³	130 to 138	°C	
NOTE			
1.	p.4.8 TU 2211-136-05766801-2006		
2.	at load 0.46 H/mm ²		
3.	in liquid medium under force 10 H		

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