

# NEFTEKHIM PP 8310D

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.  
Application: scruppers, pipelines and fittings, flat-slot extrusion film, tubular film, corrugated board, blow molding.  
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Block Copolymer		
	Good Thermal Stability		
	Oxidation Resistant		
Uses	Blow Molding Applications		
	Corrugated Sheet		
	Film		
	Fittings		
	Piping		
	Tubing		
Forms	Pellets		
Processing Method	Blow Molding		
	Film Extrusion		
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)	0.60 to 0.90	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature <sup>1</sup>	64 to 90	°C	
Thermal-oxidative Deterioration (150°C)	15.0	day	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	40 to 88		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1050	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	50	J/m	
23°C	500	J/m	

Thermal	Nominal Value	Unit
Vicat Softening Temperature <sup>2</sup>	126 to 150	°C
NOTE		
1.	at load 0.46 H/mm <sup>2</sup>	
2.	in liquid medium under force 10 H	

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