

# NEFTEKHIM PP 9100M

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: automobile bumpers, open-air exploited articles  
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Block Copolymer		
	Good Thermal Stability		
	Oxidation Resistant		
Uses	Automotive Bumper		
	Outdoor Applications		
Forms	Pellets		
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)	6.0 to 9.0	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	800	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
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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