

# NEFTEKHIM PP 1452R (Z69S)

Polypropylene Homopolymer

Nizhnekamskneftekhim Inc.

## Message:

Product obtained by polymerization of propylene in presence of complex organic metal catalysts.  
It incorporates increased long-term thermal stability, thermaloxidative degradation resistance when PP is produced, processed and PP-made articles are exploited, high ambient discoloration resistance.  
Application: flat-slot extrusion film, tubular film, upholstery, belts.  
Technical requirements: TU 2211-136-05766801-2006

General Information			
Features	Good Color Stability		
	Good Thermal Stability		
	Homopolymer		
	Oxidation Resistant		
Uses	Belts/Belt Repair		
	Fabrics		
	Film		
	Tubing		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	
Apparent Density	0.48 to 0.52	g/cm <sup>3</sup>	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 to 30	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Gel Content <sup>1</sup>			
> 200.0 µm	250	pcs/m <sup>2</sup>	
0.700 to 1.50 mm	10.0	pcs/m <sup>2</sup>	
1.50 to 2.50 mm	0.00	pcs/m <sup>2</sup>	
> 2.50 mm	0.00	pcs/m <sup>2</sup>	
Thermal Creep Temperature <sup>2</sup>	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	6.3	day	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82 to 95		
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1350	MPa	ASTM D790
Thermal	Nominal Value	Unit	
Vicat Softening Temperature <sup>3</sup>	150 to 154	°C	

NOTE	
1.	p.4.8 TU 2211-136-05766801-2006
2.	at load 0.46 H/mm <sup>2</sup>
3.	in liquid medium under force 10 H

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