

# NEFTEKHIM PP 2641J (T31SE)

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, effective nucleation.  
Application: extrusion, hot shaping, jet molding.  
Technical requirements: TU 2211-136-05766801-2006

General Information	
Additive	Nucleating Agent
Features	Good Thermal Stability
	Homopolymer
	Nucleated
	Oxidation Resistant
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

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)	3.3 to 4.2	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature <sup>1</sup>	90 to 96	°C	
Thermal-oxidative Deterioration (150°C)	15.0	day	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	82 to 95		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus	1500	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256

Thermal	Nominal Value	Unit	
Vicat Softening Temperature <sup>2</sup>	150 to 154	°C	

NOTE	
1.	at load 0.46 H/mm <sup>2</sup>
2.	in liquid medium under force 10 H

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