

NEFTEKHIM PP 2640H (YS32S)

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. Durable antistatic properties. Highly effective nucleation.
Application: extrusion of sheets, hot shaping.
Technical requirements: TU 2211-136-05766801-2006

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Good Thermal Stability		
	Homopolymer		
	Nucleated		
	Oxidation Resistant		
Uses	Sheet		
Forms	Pellets		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	
Apparent Density	0.48 to 0.52	g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7 to 2.3	g/10 min	ASTM D1238
Ash Content	0.025 to 0.050	%	
Thermal Creep Temperature ¹	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)	36.0	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	
Vicat Softening Temperature ²	150 to 154	°C	
NOTE			

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|----|-----------------------------------|
| 1. | at load 0.46 H/mm ² |
| 2. | in liquid medium under force 10 H |

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