

# NEFTEKHIM PE 4441R (40404)

Medium Density Polyethylene

Nizhnekamskneftekhim Inc.

## Message:

Product obtained by gas phase polymerization of ethylene in presence of complex metalorganic catalysts.

Stabilization recipe: antacid, antioxidant, thermostabilizer,UV-stabilizer, dispersing agent..

Application: rigid rotomolding of technical articles.

Technical requirements: TU 2211-145-05766801-2008

General Information			
Additive	Acid Neutralizer		
	Antioxidant		
	Heat Stabilizer		
	UV Stabilizer		
Features	Acid Resistant		
	Antioxidant		
	Dispersible		
	Good UV Resistance		
	Heat Stabilized		
	High Rigidity		
Forms	Pellets		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.938 to 0.942	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5 to 4.5	g/10 min	ASTM D1238
Melt Flow Ratio - MFR 21.6 kg/MFR 2.16 kg	< 28.0		ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	850	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256

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