

NEFTEKHIM PS 404

General Purpose Polystyrene

Nizhnekamskneftekhim Inc.

Message:

High-heat general-purpose polystyrene grade without mineral oil, combined strength and high heat resistance. Produced by initiated mass polymerization method. Application: manufacturing of extrusion and thick polystyrene sheet foam for illuminating ware. Also recommended for manufacturing of large-size parts of electrical home appliances (clear dust-protection parts, etc.) and stationery.

General Information	
Features	Good Strength
	High Heat Resistance
Uses	Appliances
	Electrical Parts
	General Purpose
	Lighting Applications
	Stationary Supplies
Forms	Pellets
Processing Method	Foam Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0 to 5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	45.0	MPa	ASTM D638
Flexural Strength	90.0	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	97.0	°C	ASTM D1525
Additional Information	Nominal Value	Unit	
Residual Styrene ¹	0.050	%	
NOTE			

1. TU 2214-126-05766801

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