

# NEFTEKHIM PS 825

High Impact Polystyrene  
Nizhnekamskneftekhim Inc.

Message:

High impact polystyrene is intended for injection molding and extrusion applications. The polymer is used for fast cycle injection molding of parts for household and electronic appliances.  
Specification: TU 2214-126-05766801-2003

General Information	
Features	Fast Molding Cycle
	Good Impact Resistance
Uses	Appliance Components
	Electrical/Electronic Applications
	Household Goods
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0 to 9.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	17.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Strength	37.0	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	84.0	°C	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Burning Rate <sup>1</sup>	< 40	mm/min	
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	70		ASTM D523
Additional Information	Nominal Value	Unit	
Residual Styrene <sup>2</sup>	0.050	%	

NOTE	
1.	Par. 4.10 of the above stated TU
2.	Par. 4.10 of the above stated TU

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