

NEFTEKHIM PS 945

High Impact Polystyrene
Nizhnekamskneftekhim Inc.

Message:

Application: to manufacture articles, requiring extraordinary strength, by jet molding: industrial enclosures, frames for household appliances, toys, industrial bobbins.

Technical requirements: ?U 2214-126-05766801-2003

General Information			
Features	High Strength		
Uses	Appliance Components		
	Bobbins		
	Housings		
	Industrial Applications		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0 to 11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Strength	30.0	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	> 60		ASTM D523
Additional Information	Nominal Value	Unit	
Residual Styrene ¹	< 0.050	%	
NOTE			

1. GOST 15820 or Fina LAB 1/34-1/35

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