

# NEFTEKHIM PS 945E

High Impact Polystyrene  
Nizhnekamskneftekhim Inc.

Message:

Deep hot molding ability with good side-wall distribution.  
Application: to manufacture articles, requiring extra strength; super impact strength in combination with high gloss enables to use this grade instead of ABS-plastics. This polymer perfectly suits for glossy sheet co-extrusion. A freon-resistant grade 945E may be customized.  
Technical Requirements: TU 2214-126-05766801-2003

General Information			
Features	Highlight		
	Impact resistance, good		
	Good strength		
Uses	Sheet		
Forms	Particle		
Processing Method	Co-extrusion molding		
	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	2.5 - 4.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	22.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Strength	38.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	83.0	°C	ASTM D1525
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	50		ASTM D523
Additional Information			
Mass fraction of residual styrene, GOST 15820 or Fina LAB 1/34-1/35: 0.05% max			

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