

# Stirol UPM-424 (extra)

High Impact Polystyrene

JSC CONCERN STIROL

Message:

UPM-424 is for manufacturing of sheets, inside details for refrigerators (except chambers with operating mode below minus 18°C and with polyurethane foam heat insulation.

General Information	
Features	Good Thermal Stability
	High Impact Resistance
Uses	Appliance Components
	Sheet
Forms	Granules
Processing Method	Die Molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) <sup>1</sup>	3.0 to 4.5	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.10	%	ISO 62
Bound Styrene	< 0.1	%	
Ash Content	> 1.1	%	
Purity <sup>2</sup>	20.0		
Rubber Content	20.0		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strain (Break)	> 40	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 8.0	kJ/m²	ISO 179

NOTE	
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1.	±10%
2.	Disc surface should be clean. It is allowed one insertion with diameter 0,2-0,3 mm at the surfaces of disks converting to area, cm²

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