

Stirol UPM-0703 E (extra)

High Impact Polystyrene

JSC CONCERN STIROL

Message:

UPM-0703 E is for manufacturing of sheets and inside details for refrigerators with operating mode of chamber with minimal temperature -18°C.

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) ¹	2.5 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 ²	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	
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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