

Stirol UPS-1002 L

High Impact Polystyrene

JSC CONCERN STIROL

Message:

UPS-1002 is for manufacturing electrotechnical, radio engineering articles, requiring increased stress-strain properties.

General Information	
Features	High Impact Resistance
Uses	Electrical/Electronic Applications
	Engineered Applications
	Engineering Parts
Forms	Granules
Processing Method	Die Molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) ¹	2.4 to 3.6	g/10 min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.10	%	ISO 62
Bound Styrene	< 0.1	%	
Purity ²	20.0		

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 24.5	MPa	ISO 527-2
Tensile Strain (Break)	> 35	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	> 10	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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