

I. Stern 6500

Medium Impact Polystyrene

I. STERN & CO. INC.

Message:

Polystyrene MIPS-6500- Medium Impact Polystyrene

Features

Medium Flow

Good toughness

Good Process ability

Applications

Injection Molding

General Information			
Features	Good Processability Medium Flow Medium Impact Resistance		
Agency Ratings	FDA 21 CFR 177.1640		
UL File Number	E185934		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10.8	MPa	ASTM D638
Tensile Elongation (Break)	35	%	ASTM D638
Flexural Modulus	1760	MPa	ASTM D790
Flexural Strength (Yield)	3.79	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	89.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°C	ASTM D1525

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