I. Stern 913

High Impact Polystyrene

I. STERN & CO. INC.

General Information

Message:

Polystyrene 913 - High Impact Polystyrene Extrusion Grade Features Good processing characteristics Excellent Toughness and environmental stress cracking Applications Thermoformed containers and lids for food packaging Custom extruded sheet

Features	Good Processability		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
Uses	Containers		
	Food Packaging		
	Lids		
	Sheet		
Processing Method	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	2.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Break)	67	%	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength (Yield)	42.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8			
MPa, Unannealed, 6.35 mm)	83.9	°C	ASTM D648
Vicat Softening Temperature	92.2	°C	ASTM D1525
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	НВ		

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