

I. Stern WC-103

General Purpose Polystyrene

I. STERN & CO. INC.

Message:

Polystyrene WC-103 - General Purpose Crystal Polystyrene

Features

Good Processing Characteristics

UL Classification 94 HB

Excellent Water Clarity

Applications

Extrusion Foam

Displays

General Information			
Features	Crystal		
	General Purpose		
	Good Processability		
	High Clarity		
Uses	Displays		
	General Purpose		
Processing Method		Foam Extrusion	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	1.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	52.4	MPa	ASTM D638
Tensile Elongation (Break)	2.4	%	ASTM D638
Flexural Modulus	23.8	MPa	ASTM D790
Flexural Strength (Yield)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	109	°C	ASTM D1525
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	

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