

# I. Stern BLK100

High Impact Polystyrene

I. STERN & CO. INC.

Message:

Polystyrene BLK100 - 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

Profiles

General Information	
Features	Good Processability
	Good Toughness
	High ESCR (Stress Crack Resist.)
	High Impact Resistance
Uses	Containers
	Food Packaging
	Lids
	Profiles
	Sheet
Agency Ratings	FDA 21 CFR 177.1640
UL File Number	E220962
Processing Method	Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1750	MPa	ASTM D790
Flexural Strength (Yield)	359	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	98.9	°C	ASTM D1525

Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.50 mm	HB	
3.00 mm	HB	

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#### Recommended distributors for this material

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