

# Shuman PS SP810

High Impact Polystyrene

Shuman Plastics, Inc.

Message:

POLYSTYRENE HIGH IMPACT SP810 BLACK  
OFFERS THIS COMBINATION OF PROPERTIES:  
GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD SURFACE APPEARANCE, UL

General Information			
Features	Good Processability		
	Good Surface Finish		
	High Impact Resistance		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0 to 12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.4	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.0	°C	ASTM D648
Vicat Softening Temperature	97.2	°C	ASTM D1525
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.57 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	204 to 227	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	204 to 227	°C	

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Recommended distributors for this material

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