

Shuman PS 811

Medium Impact Polystyrene

Shuman Plastics, Inc.

Message:

POLYSTYRENE MEDIUM IMPACT 811 BLACK
OFFERS THIS COMBINATION OF PROPERTIES:
EASY PROCESSABILITY, GOOD GLOSS, GOOD SURFACE APPEARANCE

General Information	
Features	Good Impact Resistance
	Good Processability
	Good Surface Finish
	Medium Gloss
Appearance	Black
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0 to 16	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	35.9	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	48 to 69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
Vicat Softening Temperature	98.9	°C	ASTM D1525
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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