

# Shuman ABS 780

Acrylonitrile Butadiene Styrene

Shuman Plastics, Inc.

Message:

ABS 780 GREY  
OFFERS THIS COMBINATION OF PROPERTIES:  
GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD CHEMICAL RESISTANCE

General Information	
Features	Impact resistance, good
	Workability, good
	Good chemical resistance

Appearance	Grey
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	2.0 - 6.0	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		ASTM D785

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	190 - 240	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	76.1	°C	ASTM D648

Injection	Nominal Value	Unit
Drying Temperature	87.8 - 93.3	°C
Drying Time	2.0 - 24	hr
Processing (Melt) Temp	204 - 227	°C

Injection instructions	
Tray Dryer Drying Temperature, No Standard, 1.5 in: 170 to 200°FTray Dryer Drying Time, No Standard, 1.5 in: 4 to 24hrs	

Extrusion	Nominal Value	Unit
Drying Temperature	87.8 - 93.3	°C
Drying Time	2.0 - 24	hr
Melt Temperature	177 - 216	°C

Extrusion instructions	
Tray Dryer Drying Temperature, No Standard, 1.5 in: 170 to 200°FTray Dryer Drying Time, No Standard, 1.5 in: 4 to 24hrs	

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Recommended distributors for this material

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