

# Shuman ABS 710H

Acrylonitrile Butadiene Styrene

Shuman Plastics, Inc.

Message:

ABS 710H UTILITY BLACK  
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	Black		
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)	240 - 290	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

