

# Shuman ABS/PC FR310

Polycarbonate + ABS

Shuman Plastics, Inc.

Message:

PC/ABS ALLOY FLAME RETARDANT FR310 UTILITY BLACK  
OFFERS THIS COMBINATION OF PROPERTIES:  
EXCELLENT FLAME RETARDANCY, GOOD IMPACT STRENGTH, EASY PROCESSABILITY, GOOD SURFACE GLOSS, GOOD CHEMICAL RESISTANCE, SELF EXTINGUISHING

General Information			
Features	Flame Retardant		
	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	Medium Gloss		
	Self Extinguishing		
Appearance	Black		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	4.0 to 10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	41.4 to 55.2	MPa	ASTM D638
Flexural Modulus	2210 to 2620	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	400 to 560	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	79.4 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Processing (Melt) Temp	238 to 277	°C	
Extrusion	Nominal Value	Unit	
Drying Temperature	79.4 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Melt Temperature	238 to 277	°C	

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