

# PrimaFlex® ABS 570

Acrylonitrile Butadiene Styrene

Plastic Solutions, Inc.

## Message:

Description: ABS 570 is an easy flowing grade of ABS for injection molding with high resistance to impact and heat deflection. In its natural color ABS 570 meets FDA requirements for food contact.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	Good Flow		
	High Gloss		
	High Heat Resistance		
	High Impact Resistance		
Uses	Appliances		
	Consumer Applications		
	General Purpose		
	Housings		
	Toys		
	White Goods & Small Appliances		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2550	MPa	ASTM D638
Tensile Strength (Yield)	42.1	MPa	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	370	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94

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