

PrimaFlex® ABS 556

Acrylonitrile Butadiene Styrene

Plastic Solutions, Inc.

Message:

Description: ABS 556 is an easy flowing grade of ABS for injection molding with high resistance to impact and heat deflection.

General Information			
Features	General Purpose		
	Good Flow		
	High Gloss		
	High Heat Resistance		
	High Impact Resistance		
Uses	Appliances		
	Consumer Applications		
	General Purpose		
	Housings		
	Toys		
	White Goods & Small Appliances		
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.8	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.55	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638
Tensile Strength (Yield)	45.0	MPa	ASTM D638
Tensile Elongation (Yield)	2.6	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	77.8	°C	ASTM D648

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