

Jamplast Inj-07 ABS

Acrylonitrile Butadiene Styrene

Jamplast, Inc.

Message:

Jamplast Inj-07 ABS is a general purpose injections molding grade of ABS (Acrylonitrile Butadiene Styrene). It is a high impact, medium glass ABS, available only in natural or precolored. Typeical applications include housings, toys, small appliances, and consumer goods.

General Information			
Features	General Purpose		
	High Impact Resistance		
	Medium Gloss		
Uses	Appliances		
	Consumer Applications		
	General Purpose		
	Housings		
	Toys		
Appearance	Colors Available		
	Natural Color		
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.8	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	66.7	MPa	
Break	44.0	MPa	
Tensile Elongation (Break)	83	%	ASTM D638
Flexural Modulus	2170	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)	80.0	°C	ASTM D648
Vicat Softening Temperature	98.0	°C	ASTM D1525

Flammability	Nominal Value	Test Method
Flame Rating (3.18 mm)	HB	UL 94
Injection	Nominal Value	Unit
Processing (Melt) Temp	191 to 229	°C
Mold Temperature	38.0 to 79.0	°C

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