

Jamplast Ex-17 ABS

Acrylonitrile Butadiene Styrene

Jamplast, Inc.

Message:

Jamplast Ex-17 ABS is a medium-gloss, High-impact extrusion grade of ABS (acrylonitrile butadiene styrene). It provides a good balance between ridity and impact strength, and has a stiff melt flow suitable for extrusion and thermoforming. Jamplast Ex-17 ABS is easy to color with ABS color concentrates. This resin is designed for either profile extrusion or substrate coextrusion.

General Information			
Features	Good Colorability		
	High Impact Resistance		
	Medium Gloss		
	Medium Rigidity		
Processing Method	Coextrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	4.0	g/10 min	
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Water Absorption (Equilibrium)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	99		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.17 mm)	40.0	MPa	ASTM D638
Flexural Modulus (3.17 mm)	1930	MPa	ASTM D790
Flexural Strength (3.17 mm)	57.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹	480	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	90.0	°C	ASTM D648
Vicat Softening Temperature	99.0	°C	ISO 306
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 85.0	°C
Drying Time	2.0 to 4.0	hr
Suggested Shot Size	50 to 80	%
Rear Temperature	200 to 220	°C
Middle Temperature	220 to 240	°C
Front Temperature	230 to 250	°C
Nozzle Temperature	230 to 250	°C
Processing (Melt) Temp	250 to 270	°C
Mold Temperature	50.0 to 80.0	°C
Injection Pressure	68.9 to 82.7	MPa
Back Pressure	0.689 to 1.38	MPa
Screw Speed	30 to 60	rpm

NOTE

1. 3.2 mm Notch Depth

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