

Jamplast Ex-02 ABS

Acrylonitrile Butadiene Styrene

Jamplast, Inc.

Message:

Jamplast Ex-02 ABS is a low-gloss, medium-impact extrusion grade of ABS (acrylonitrile butadiene styrene). It provides a good balance between rigidity and impact strength, and has a stiff melt flow suitable for extrusion and thermoforming. Jamplast Ex-02 ABS is bright white natural pellet which is easy to color with ABS color concentrates. This resin is designed for either profile extrusion or substrate coextrusion and can be used alone or blended with a higher-impact resin.

General Information			
Features	Good Colorability		
	Low Gloss		
	Medium Impact Resistance		
	Medium Rigidity		
Appearance	Natural Color		
	White		
Forms	Pellets		
Processing Method	Coextrusion		
	Profile Extrusion		
	Thermoforming		
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)	2.6	g/10 min	
Molding Shrinkage - Flow	0.55	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1830	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	37.2	MPa	
Break	34.5	MPa	
Tensile Strain			
Yield	2.6	%	ISO 527-2
Break	100	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Instrumented Dart Impact (23°C)	46.0	J	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
--	22	kJ/m ²	
-- ¹	9.0	kJ/m ²	

Charpy Unnotched Impact Strength	No Break		ISO 179
Notched Izod Impact	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	93.0	°C	
1.8 MPa, Unannealed	79.0	°C	
1.8 MPa, Annealed	102	°C	
Vicat Softening Temperature	107	°C	
CLTE - Flow	7.9E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.47 mm)	HB		UL 94
NOTE			

1. at Low Temperature

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

