

Taitalac® 3000H

Acrylonitrile Butadiene Styrene

Taita Chemical Company, Ltd.

Message:

Taitalac®3000H is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America or Asia Pacific region. The processing method is: pipeline extrusion molding or extrusion.

Taitalac®The main features of 3000H are:

- flame retardant/rated flame
- high strength
- Hard
- chemical resistance

Taitalac®The typical application areas of 3000H are: water pipes/pipes/drinking water

General Information	
UL YellowCard	E50263-241885
Features	Rigidity, high
	High strength
	High melt stability
	Good chemical resistance
Uses	Piping system
UL File Number	E50263
Forms	Particle
Processing Method	Pipeline extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	0.50	g/10 min	ASTM D1238
220°C/10.0 kg	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	< 0.40	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield, 23°C, 3.18mm	39.3	MPa	ASTM D638
Fracture, 23°C, 3.18mm	33.8	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.18 mm)	60	%	ASTM D638
Flexural Modulus ³ (23°C)	2070	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 23°C)	60.7	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	490	J/m	ASTM D256
23°C, 12.7 mm	330	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	87.2	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
Additional Information			
Water Absorption, ASTM D570: <0.3%			
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 85.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	205 - 235	°C	
Middle Temperature	215 - 245	°C	
Front Temperature	205 - 235	°C	
Nozzle Temperature	225 - 245	°C	
Processing (Melt) Temp	190 - 200	°C	
Mold Temperature	40.0 - 70.0	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.345 - 0.483	MPa	
Screw Speed	30 - 100	rpm	
Injection instructions			
Injection Pressure: Moderately High to High			
NOTE			
1.	5.0 mm/min		
2.	5.0 mm/min		
3.	2.8 mm/min		
4.	2.8 mm/min		
5.	压力1 (10N)		

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



WECHAT