

Taitalac® 6000F

Acrylonitrile Butadiene Styrene

Taita Chemical Company, Ltd.

Message:

Taitalac® 6000F is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America or Asia Pacific region. The processing method is extrusion.

Taitalac®The main features of 6000F are:

flame retardant/rated flame

Good toughness

General Information			
Features	Excellent printability		
	High melt stability		
	Good toughness		
UL File Number	E50263		
Forms	Particle		
Processing Method	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	1.0	g/10 min	ASTM D1238
220°C/10.0 kg	10	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)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield, 23°C, 3.18mm	34.5	MPa	ASTM D638
Fracture, 23°C, 3.18mm	26.9	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.18 mm)	30	%	ASTM D638
Flexural Modulus ³ (23°C)	2210	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 23°C)	65.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	280	J/m	ASTM D256
23°C, 12.7 mm	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	86.1	°C	ASTM D648
Vicat Softening Temperature	101	°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%		
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)	

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