

TAIRILAC AX4300

Acrylonitrile Butadiene Styrene
Formosa Plastics Corporation

Message:

FCFC ABS resin AX4300 meets the requirements of the certificates of environmental protection.

General Information			
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.05	g/cm ³	ASTM D792
23°C	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	4.5	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow	0.40 - 0.70	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
Class R, 23°C	105		ASTM D785
R scale, 23°C	105		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	44.0	MPa	ASTM D638, ISO 527-2
Flexural Modulus (23°C)	2350	MPa	ASTM D790, ISO 178
Flexural Strength (23°C)	74.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, 6.35 mm)	270	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648, ISO 75-2/A
1.8 MPa, unannealed, 12.7mm	98.0	°C	ASTM D648, ISO 75-2/A
1.8 MPa, annealed ¹	108	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	111	°C	ISO 306/A, ASTM D1525 ²
Injection	Nominal Value	Unit	Test Method
Drying Temperature	90.0 - 95.0	°C	
Drying Time	2.0 - 3.0	hr	
Mold Temperature	40.0 - 90.0	°C	
Injection Pressure	68.6 - 118	MPa	
Injection instructions			
Screw Temp: 200 to 250°C			

NOTE

1. 95°Cx8Hr
2. 压力1 (10N)

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