

ARLEN™ A335

Polyamide 6T
Mitsui Chemicals America, Inc.

Message:

ARLEN™A335 is a polyamide 6T (nylon 6T) material, which contains a 35% glass fiber reinforced material. This product is available in North America.
ARLEN™The main characteristics of A335 are: flame retardant/rated flame.

General Information				
UL YellowCard		E52579-242902	E52579-242904	
Filler / Reinforcement		Glass fiber reinforced material, 35% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.48	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow: 2.00mm	0.30	--	%	ASTM D955
Transverse flow: 2.00mm	0.60	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	0.30	--	%	ASTM D570
100°C, 24 hr	1.8	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (M-Scale)	110	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	240	220	MPa	ASTM D638
Tensile Elongation (Break)	3.0	3.0	%	ASTM D638
Flexural Modulus	12000	11000	MPa	ASTM D790
Flexural Strength	360	320	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	130	150	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	310	--	°C	ASTM D648
Glass Transition Temperature	125	--	°C	DSC
Melting Temperature	320	--	°C	
Linear thermal expansion coefficient				ASTM D696
Flow	2.0E-5	--	cm/cm/°C	ASTM D696
Lateral	4.5E-5	--	cm/cm/°C	ASTM D696
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+16	--	ohms · cm	ASTM D257

Dielectric Strength	27	--	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	4.50	--		ASTM D150
Dissipation Factor (1 MHz)	0.018	--		ASTM D150
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	110		°C	
Drying Time	2.0 - 6.0		hr	
Hopper Temperature	50.0 - 90.0		°C	
Rear Temperature	315 - 330		°C	
Middle Temperature	320 - 335		°C	
Front Temperature	325 - 340		°C	
Nozzle Temperature	325 - 340		°C	
Mold Temperature	90.0 - 140		°C	
Injection Rate	Moderate			
Screw Speed	150		rpm	

Injection instructions

Injection Pressure: Medium Pressure

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

