

ARLEN™ G335

Polyamide 6T

Mitsui Chemicals America, Inc.

Message:

ARLEN™G335 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 G335 are: flame retardant/rated flame.

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 35% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.47	--	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow: 2.00mm	0.20	--	%	ASTM D955
Transverse flow: 2.00mm	0.50	--	%	ASTM D955
Water Absorption				ASTM D570
23°C, 24 hr	0.30	--	%	ASTM D570
100°C, 24 hr	1.7	--	%	ASTM D570
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength	200	180	MPa	ASTM D638
Tensile Elongation (Break)	3.0	3.0	%	ASTM D638
Flexural Modulus	11000	10000	MPa	ASTM D790
Flexural Strength	340	310	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	100	120	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	280	--	°C	ASTM D648
Glass Transition Temperature	140	--	°C	DSC
Melting Temperature	300	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Volume Resistivity	1.0E+16	--	ohms·cm	ASTM D257
Dielectric Strength	28	--	kV/mm	ASTM D149
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 - 90		°C	

Rear Temperature	315 - 330	°C
Middle Temperature	320 - 335	°C
Front Temperature	325 - 340	°C
Nozzle Temperature	325 - 340	°C
Mold Temperature	90 - 140	°C
Injection Rate	Moderate	
Screw Speed	150	rpm

Injection instructions

Injection Pressure: Medium Pressure

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Recommended distributors for this material

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