

PLASTRON™ PA6-GF60-01

Polyamide 6
Daicel Polymer Ltd.

Message:
PLASTRON™ PA6-GF60-01 is a Polyamide 6 (Nylon 6) material filled with 60% glass fiber. It is available in Asia Pacific. Primary attribute of PLASTRON™ PA6-GF60-01: Flame Rated.

General Information				
UL YellowCard		E47773-100865571		
Filler / Reinforcement		Glass Fiber,60% Filler by Weight		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.70	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Yield)	300	220	MPa	ISO 527-2
Flexural Modulus	20000	15000	MPa	ISO 178
Flexural Stress	450	340	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	60	55	kJ/m ²	ISO 179/1eA
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	220	--	°C	ISO 75-2/A
Flammability	Dry	Conditioned		Test Method
Flame Rating (0.500 mm)	HB	--		UL 94
Additional Information	Dry	Conditioned	Unit	
Moisture Content	--	1.0	%	
Injection	Dry	Unit		
Drying Temperature	80.0 to 85.0		°C	
Drying Time	3.0 to 5.0		hr	
Rear Temperature	240 to 270		°C	
Middle Temperature	250 to 280		°C	
Front Temperature	250 to 280		°C	
Nozzle Temperature	240 to 270		°C	
Mold Temperature	80.0 to 100		°C	
Back Pressure	5.00 to 10.0		MPa	
Screw Speed	40 to 60		rpm	

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