PLASTRON™ PAX-CF40-02

Polyamide

Daicel Polymer Ltd.

Message:

PLASTRON™ PAX-CF40-02 is a Polyamide material filled with 40% carbon fiber. It is available in Asia Pacific.

Filler / Reinforcement Carbon Fiber-Jaw Filler by Weight Physical Dry Conditioned Unit Test Method Density 1.39 9/cm³ 150 1183 Mechanical Dry Conditioned Unit Test Method Tensile Stress (Yield) 330 310 MPa 150 178 Flexural Modulus 33000 30000 MPa 150 178 Flexural Stress 500 440 MPa 150 178 Impact Dry Conditioned Unit Test Method Charpy Notchel Impact Strength (23°C) 25 26 I/ma I/ma 150 179/16A Thermal Dry Conditioned Unit Test Method Heat Deflection Temperature (1.8 MPa, Unannealed) 235 °C ISO 75-2/A Additional Information Dry Conditioned Unit Injection Dry Conditioned "C Drying Temperature 80.0 to 85.0 "C Drying Temperature 2	General Information				
Density	Filler / Reinforcement	Carbon Fiber,40% Filler by Weight			
Mechanical Dry Conditioned Unit Test Method	Physical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Yield) 330 310 MPa ISO 527-2	Density	1.39		g/cm³	ISO 1183
Flexural Modulus 33000 30000 MPa ISO 178 Flexural Stress 500 440 MPa ISO 178 Impact Dry Conditioned Unit Test Method Charpy Notched Impact Strength (23°C) 25 26 kJ/m² ISO 179/1eA Thermal Dry Conditioned Unit Test Method Heat Deflection Temperature (1.8 MPa, Unannealed) 235	Mechanical	Dry	Conditioned	Unit	Test Method
Flexural Stress 500	Tensile Stress (Yield)	330	310	МРа	ISO 527-2
Impact Dry Conditioned Unit Test Method	Flexural Modulus	33000	30000	MPa	ISO 178
Charpy Notched Impact Strength (23°C) 25 26 kJ/m² ISO 179/1eA Thermal Dry Conditioned Unit Test Method Heat Deflection Temperature (1.8 MPa, Unannealed) 235 °C ISO 75-2/A Additional Information Dry Conditioned Unit Unit Moisture Content 0.70 % Section 100 Injection Dry Unit C Section 100 Drying Temperature 8.00 to 85.0 "C From 100 Programment 100 Pr	Flexural Stress	500	440	MPa	ISO 178
Strength (23°C) 25 26 kJ/m² ISO 179/1eA Thermal Dry Conditioned Unit Test Method Heat Deflection Temperature (1.8 MPa, Unannealed) 235 °C ISO 75-2/A Additional Information Dry Conditioned Unit Moisture Content 0.70 % Injection Dry Unit Drying Temperature 80.0 to 85.0 °C Every Temperature 3.0 to 5.0 hr Rear Temperature 240 to 280 °C Middle Temperature 250 to 290 °C Front Temperature 240 to 280 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C	Impact	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed) 235		25	26	kJ/m²	ISO 179/1eA
Temperature (1.8 MPa, Unannealed) 235 °C ISO 75-2/A Additional Information Dry Conditioned Unit Moisture Content 0.70 % Injection Dry Unit Drying Temperature 80.0 to 85.0 °C Prying Time 3.0 to 5.0 hr Rear Temperature 240 to 280 °C Middle Temperature 250 to 290 °C Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Thermal	Dry	Conditioned	Unit	Test Method
Additional Information Dry Conditioned Unit Moisture Content 0.70 % Injection Dry Unit C Drying Temperature 80.0 to 85.0 °C Drying Time 3.0 to 5.0 hr Rear Temperature 240 to 280 °C Middle Temperature 250 to 290 °C Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Temperature (1.8 MPa,	235		°C	ISO 75-2/A
Moisture Content 0.70 % Injection Dry Unit C Drying Temperature 80.0 to 85.0 C Drying Time 3.0 to 5.0 hr Rear Temperature 240 to 280 °C Middle Temperature 250 to 290 °C Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	•		Conditioned		
Drying Temperature 80.0 to 85.0 °C Drying Time 3.0 to 5.0 hr Rear Temperature 240 to 280 °C Middle Temperature 250 to 290 °C Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Moisture Content	•	0.70	%	
Drying Time 3.0 to 5.0 hr Rear Temperature 240 to 280 °C Middle Temperature 250 to 290 °C Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Injection	Dry	Unit		
Rear Temperature 240 to 280 °C Middle Temperature 250 to 290 °C Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 30 to 150 °C Back Pressure 5.00 to 10.0 MPa	Drying Temperature	80.0 to 85.0		°C	
Middle Temperature 250 to 290 °C Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Drying Time	3.0 to 5.0		hr	
Front Temperature 250 to 290 °C Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Rear Temperature	240 to 280		°C	
Nozzle Temperature 240 to 280 °C Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Middle Temperature	250 to 290		°C	
Mold Temperature 130 to 150 °C Back Pressure 5.00 to 10.0 MPa	Front Temperature	250 to 290		°C	
Back Pressure 5.00 to 10.0 MPa	Nozzle Temperature	240 to 280		°C	
	Mold Temperature	130 to 150		°C	
Screw Speed 40 to 60 rpm	Back Pressure	5.00 to 10.0		MPa	
	Screw Speed	40 to 60		rpm	

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

