

VECTRA® E830iPd

Liquid Crystal Polymer
Celanese Corporation

Message:

30% glass filled Platable grade.
Chemical abbreviation according to ISO 1043-1 : LCP
Inherently flame retardant.
FDA compliant.

General Information			
UL YellowCard	E83005-100187705		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Electroplateable		
	Flame retardancy		
Agency Ratings	FDA not rated		
RoHS Compliance	Contact manufacturer		
Resin ID (ISO 1043)	LCP		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	140	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.8	%	ISO 527-2/1A/5
Flexural Modulus (23°C)	14500	MPa	ISO 178
Flexural Stress (23°C)	180	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	21	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	°C	ISO 75-2/A
Melting Temperature ¹	335	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	150	°C	
Drying Time	6.0	hr	
Suggested Max Moisture	0.010	%	
Hopper Temperature	20.0 - 30.0	°C	
Rear Temperature	315 - 325	°C	
Middle Temperature	320 - 330	°C	
Front Temperature	325 - 335	°C	
Nozzle Temperature	340 - 350	°C	
Processing (Melt) Temp	340 - 350	°C	
Mold Temperature	80.0 - 120	°C	

Injection Pressure	50.0 - 150	MPa
Injection Rate	Moderate	
Holding Pressure	50.0 - 150	MPa
Injection instructions		
Manifold Temperature: 340 to 350°CZone 4 Temperature: 335 to 345°CFeed Temperature: 60 to 80°C		
NOTE		
1.	10°C/min	

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



WECHAT