

4LEX® 10F10400

Polycarbonate
4Plas

Message:

4LEX 10F10400 is a Low Flow UV Stabilised Polycarbonate

General Information			
Additive	UV stabilizer		
Features	Good UV resistance		
	Low liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.0	g/10 min	ISO 1133
Molding Shrinkage - Across Flow	0.50	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2350	MPa	ISO 527-2/5
Tensile Stress			ISO 527-2/5
Yield, 23°C	58.0	MPa	ISO 527-2/5
Fracture, 23°C	52.0	MPa	ISO 527-2/5
Tensile Strain			
Yield	8.0	%	ISO 527-2
Fracture, 23°C	93	%	ISO 527-2/5
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	19	kJ/m ²	ISO 179/B
Notched Izod Impact			ISO 180/1A
-30°C	15	kJ/m ²	ISO 180/1A
23°C	60	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	144	°C	ISO 75-2/B
Vicat Softening Temperature	145	°C	ISO 306/B
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	HB		UL 94

3.20 mm	HB	UL 94	
Glow Wire Flammability Index (2.00 mm)	870	°C	IEC 60695-2-12
Optical	Nominal Value	Unit	Test Method
Transmittance (3000 μm)	80.0 - 90.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	260 - 300	°C	
Mold Temperature	80.0 - 100	°C	
Injection Rate	Moderate-Fast		
Holding Pressure	60.0 - 120	MPa	
Screw Speed	200	rpm	
Injection instructions			
Feed Throat Temperature: 60 - 80 °CBack Pressure: Low			
NOTE			

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