

# CELEX™ 3600-10

Polycarbonate Resin  
Trinseo

Message:

CELEX 3600 contains non-chlorinated, non-brominated & phosphate flame retardant and suitable for use by injection molding applications in the computer, electronics, electrical, and information technology equipment markets.

General Information			
UL YellowCard	E132010-534512		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
Uses	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 3.20 mm, Injection Molded	60.0	MPa	
Break, 3.20 mm, Injection Molded	57.9	MPa	
Tensile Elongation			ASTM D638
Yield, 3.20 mm, Injection Molded	6.2	%	
Break, 3.20 mm, Injection Molded	110	%	
Flexural Modulus (3.20 mm, Injection Molded)	2400	MPa	ASTM D790
Flexural Strength (3.20 mm, Injection Molded)	93.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm, Injection Molded)	127	°C	ASTM D648
CLTE - Flow	1.2E-4	cm/cm/°C	ASTM D696
RTI Elec	125	°C	UL 746
RTI Imp	125	°C	UL 746
RTI Str	125	°C	UL 746

Flammability	Nominal Value	Test Method
Flame Rating <sup>1</sup> (1.50 mm)	V-0	UL 94

Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	270 to 280	°C
Middle Temperature	270 to 290	°C
Front Temperature	270 to 290	°C
Nozzle Temperature	280 to 300	°C
Mold Temperature	80.0 to 120	°C

NOTE		
------	--	--

1.

This rating not intended to reflect hazards presented by this or any other material under actual fire conditions.

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

