

EXCELLOY CK10

Polycarbonate + ABS

Techno Polymer Co, Ltd.

Message:

EXCELLOY CK10 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America.
Primary characteristic: flame rated.

General Information			
UL YellowCard	E54297-244367		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	15	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	108		ASTM D785
R-Scale	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	49.0	MPa	ASTM D638
Yield	45.0	MPa	ISO 527-2
Flexural Modulus			
--	2260	MPa	ASTM D790
--	1800	MPa	ISO 178
Flexural Strength			
--	78.5	MPa	ASTM D790
--	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	50	kJ/m ²	ISO 179
Notched Izod Impact	490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	105	°C	ASTM D648
0.45 MPa, Unannealed	94.0	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating (ALL)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	

Drying Time	2.0 to 5.0	hr
Rear Temperature	220 to 270	°C
Middle Temperature	220 to 270	°C
Front Temperature	220 to 270	°C
Mold Temperature	50.0 to 100	°C

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