

EXCELLOY CZ500

Polycarbonate + ABS

Techno Polymer Co, Ltd.

Message:

EXCELLOY CZ500 is a Polycarbonate + ABS (PC+ABS) product. It can be processed by injection molding and is available in Asia Pacific or North America. Characteristics include:
Flame Rated
Flame Retardant

General Information			
UL YellowCard	E54297-244359		
Additive	Flame Retardant		
Features	Flame Retardant		
UL File Number	E54297		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	47	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.70	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	61.0	MPa	ASTM D638
Yield	59.0	MPa	ISO 527-2
Flexural Modulus			
--	2880	MPa	ASTM D790
--	2400	MPa	ISO 178
Flexural Strength			
--	97.0	MPa	ASTM D790
--	89.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	48	kJ/m ²	ISO 179
Notched Izod Impact	470	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	95.0	°C	ASTM D648
0.45 MPa, Unannealed	83.0	°C	ISO 75-2/B
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	

1.20 mm, ALL	V-0	
2.50 mm, ALL	V-0	
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 5.0	hr
Rear Temperature	190 to 260	°C
Middle Temperature	190 to 260	°C
Front Temperature	190 to 260	°C
Mold Temperature	40.0 to 80.0	°C

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