

# Cheng Yu C6800

Polycarbonate + ABS

Cheng Yu Plastic Company Limited

Message:

Cheng Yu C6800 is a Polycarbonate + ABS (PC+ABS) product. It is available in Asia Pacific.

Characteristics include:

- Flame Rated
- Flame Retardant
- Halogen Free
- High Flow
- Impact Resistant

General Information			
UL YellowCard	E159271-100073896		
Additive	Flame Retardant		
Features	Halogen Free		
	High Flow		
	High Impact Resistance		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Water Absorption (Saturation)	0.10	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	100		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	35.0	MPa	ASTM D638
Flexural Strength	65.0	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	590	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	136	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+17	ohms	ASTM D257

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94

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