

EMERGE™ PC/ABS 7800

Advanced Resin

Trinseo

Message:

EMERGE™ PC/ABS 7800 Advanced Resin is an ignition-resistance PC/ABS blend that contains no chlorine or bromine additives. It contains up to 40% of post consumer recycle (PCR) polycarbonate. This resin is suitable for use in a wide variety of applications in the information technology equipment and consumer electronics markets.

Applications

TV enclosures

Monitor enclosures

Laptop and desktop computer housing

Computer peripherals

General Information			
UL YellowCard	E206114-460513		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
Uses	Electrical/Electronic Applications		
	Television Housings		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	84.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	92.2	°C	
1.8 MPa, Unannealed	81.1	°C	
Flammability	Nominal Value		Test Method
Flame Rating ¹ (1.70 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	

Drying Time	3.0 to 4.0	hr
Mold Temperature	40.0 to 60.0	°C

NOTE

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