

# EMERGE™ PC/ABS 7350

Advanced Resin

Trinseo

## Message:

EMERGE™ PC/ABS 7350 advanced resin is a high flow and high toughness PC/ABS alloy. It is designed for thin wall application with high heat requirement.

Applications:

Mobile phone and PDA housing

Sporting goods

General Information			
UL YellowCard	E206114-473082		
Features	Good Toughness		
	High Flow		
	High Heat Resistance		
Uses	Housings		
	Sporting Goods		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/3.8 kg	4.2	g/10 min	
260°C/5.0 kg	25	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.20 mm, Injection Molded)	53.0	MPa	ASTM D638
Tensile Elongation (Break, 3.20 mm, Injection Molded)	130	%	ASTM D638
Flexural Modulus (3.20 mm, Injection Molded)	2600	MPa	ASTM D790
Flexural Strength (3.20 mm, Injection Molded)	87.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	700	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Annealed, 3.20 mm	120	°C	
1.8 MPa, Unannealed, 3.20 mm	105	°C	
Flammability	Nominal Value		Test Method

Flame Rating <sup>1</sup>		UL 94
1.00 mm	HB	
3.20 mm	HB	
Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	230 to 250	°C
Middle Temperature	240 to 260	°C
Front Temperature	250 to 270	°C
Nozzle Temperature	240 to 270	°C
Mold Temperature	60.0 to 80.0	°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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