

## EMERGE™ PC/ABS 7360E65 Advanced Resin

### Overview

EMERGE™ PC/ABS 7360E65 advanced resin is PC/ABS alloy is containing 65% recycle content and no chlorine or bromine additives. This resin provides superior processability for molding thin-wall parts and optimizing cycle time productivity in injection molding operations.

Applications:

- Enclosures
- Electrical accessories

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.18 g/cm <sup>3</sup>	1.18 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	11 g/10 min	11 g/10 min	ISO 1133
Molding Shrinkage - Flow	4.0E-3 to 6.0E-3 in/in	0.40 to 0.60 %	ASTM D955
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	326000 psi	2250 MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	8700 psi	60.0 MPa	
Break	8270 psi	57.0 MPa	
Tensile Elongation			ASTM D638
Yield	4.0 %	4.0 %	
Break	80 %	80 %	
Flexural Modulus	363000 psi	2500 MPa	ASTM D790
Flexural Strength	13100 psi	90.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	11 ft-lb/in	600 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	196 °F	91.0 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating <sup>1</sup> (0.020 in (0.50 mm))	V-2	V-2	UL 94
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	176 to 194 °F	80 to 90 °C	
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr	
Processing (Melt) Temp	428 to 518 °F	220 to 270 °C	
Mold Temperature	140 to 194 °F	60 to 90 °C	