EMERGE™ PC 6900

PC — Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**18**	g/10min	ASTM D 1238
Temperature	**230**	°C	-
Load	**3.8**	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	**65**	MPa	ASTM D 638
Elongation at Break	**70**	%	ASTM D 638
Flexural Modulus	**2650**	MPa	ASTM D 790
Flexural Strength	**96.5**	MPa	ASTM D 790
Rockwell Hardness	**R 123**	-	ASTM D 785
Izod Impact notched, 1/8 in	**150**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	**V-0**	-	UL 94
Thickness tested	**1**	mm	-
Coefficient of Thermal Expansion, MD	**66**	E-6/K	ASTM D 696
DTUL @ 66 psi	**100**	°C	ASTM D 648
DTUL @ 264 psi	**90**	°C	ASTM D 648
Vicat Temperature	**116**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	**1190**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**91 - 102**	°C	-
Pre-drying - Time	**3 - 4**	h	-
Melt temperature	**221 - 260**	°C	-
Mold temperature	**71 - 102**	°C	-

Characteristics

Processing
Injection Molding

Special Characteristics
Flame retardant, Heat stabilized or stable to heat

Features
High Gloss

Applications
IT / Business Machine, Electrical and Electronical

Regional Availability
North America, Asia Pacific