

EMERGE™ PC/ABS 7100

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4.5	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2206	MPa	ASTM D 638
Tensile Strength at Yield	50.3	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2344	MPa	ASTM D 790
Flexural Strength	80	MPa	ASTM D 790
Rockwell Hardness	R 112	-	ASTM D 785
Izod Impact notched, 1/8 in	480	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	294	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1	mm	-
Coefficient of Thermal Expansion, MD	75.6	E-6/K	ASTM D 696
DTUL @ 66 psi	116	°C	ASTM D 648
DTUL @ 264 psi	95	°C	ASTM D 648
Vicat Temperature	133	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1110	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	238 - 266	°C	-
Mold temperature	48.9 - 90.6	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

North America, Asia Pacific, South and Central America