

EMERGE™ PC/ABS 7890

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2280	MPa	ASTM D 638
Tensile Strength at Yield	60	MPa	ASTM D 638
Tensile Strength at Break	46	MPa	ASTM D 638
Elongation at Yield	3.2	%	ASTM D 638
Elongation at Break	37	%	ASTM D 638
Flexural Modulus	2670	MPa	ASTM D 790
Flexural Strength	93	MPa	ASTM D 790
Rockwell Hardness	R 117	-	ASTM D 785
Izod Impact notched, 1/8 in	550	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.4	mm	-
DTUL @ 66 psi	90	°C	ASTM D 648
DTUL @ 264 psi	78	°C	ASTM D 648
Vicat Temperature	94	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1200	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	230 - 260	°C	-
Mold temperature	40 - 70	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

Europe, Near East/Africa