

EMERGE™ PC/ABS 7590 ECO

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	55	MPa	ASTM D 638
Tensile Strength at Break	46	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2827	MPa	ASTM D 790
Flexural Strength	97.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	694	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	N	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	82.2	°C	ASTM D 648
Limiting Oxygen Index	29	%	ASTM D 2863

Other properties	Value	Unit	Test Standard
Density	1210	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	220 - 250	°C	-
Mold temperature	60 - 80	°C	-

Characteristics**Processing**

Injection Molding

Certifications

Recycled Resin Content

Applications

IT / Business Machine, Electrical and Electronical, Encapsulation

Regional Availability

Asia Pacific