

EMERGE™ PC/ABS 7502

(PC+ABS)-GX20

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	17	g/10min	ASTM D 1238
Temperature	260	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.00225	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	5199	MPa	ASTM D 638
Tensile Strength at Break	101	MPa	ASTM D 638
Elongation at Break	2.8	%	ASTM D 638
Flexural Modulus	6198	MPa	ASTM D 790
Flexural Strength	155	MPa	ASTM D 790
Izod Impact notched, 1/8 in	107	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	384	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
Thickness tested	2.0	mm	-
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 264 psi	110	°C	ASTM D 648
Vicat Temperature	112	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1330	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 4	h	-
Mold temperature	60 - 100	°C	-
Zone 1	240 - 250	°C	-
Zone 2	250 - 270	°C	-
Zone 3	250 - 270	°C	-
Nozzle temperature	270 - 290	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Chemical Resistance

General Chemical Resistance

Applications

IT / Business Machine, Electrical and Electronical

Regional Availability

Asia Pacific