

CELEX™ 500S2

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	50	MPa	ASTM D 638
Elongation at Break	24	%	ASTM D 638
Flexural Modulus	2392	MPa	ASTM D 790
Flexural Strength	77.2	MPa	ASTM D 790
Izod Impact notched, 1/8 in	491	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.2	mm	-
DTUL @ 66 psi	102	°C	ASTM D 648
DTUL @ 264 psi	82.8	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1090	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	210 - 230	°C	-
Mold temperature	40 - 60	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Applications

Automotive, Electrical and Electrical