

CELEX™ 5200HF.K

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	18	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	2448	MPa	ASTM D 638
Tensile Strength	55	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2599	MPa	ASTM D 790
Flexural Strength	88.3	MPa	ASTM D 790
Izod Impact notched, 1/8 in	747	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	219	J/m	ASTM D 256
Temperature	-20	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.4	mm	-
DTUL @ 264 psi	76.1	°C	ASTM D 648
Vicat Temperature	100	°C	ASTM D 1525

Electrical properties	Value	Unit	Test Standard
ISO Data			
Comparative tracking index	600	-	IEC 60112
ASTM Data			
Dielectric Strength, Short Time	26	kV/mm	ASTM D 149
Volume Resistivity	1E11	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1180	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	-
Mold temperature	40 - 60	°C	-
Zone 1	190 - 220	°C	-
Zone 2	200 - 225	°C	-
Zone 3	205 - 235	°C	-
Nozzle temperature	210 - 235	°C	-

Characteristics**Processing**

Injection Molding

Features

Copolymer

Applications

IT / Business Machine, Encapsulation

Regional Availability

Asia Pacific