

**CELEX™ 5200HF.IM**

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	17	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
<b>ASTM Data</b>			
Tensile Strength at Yield	62.1	MPa	ASTM D 638
Tensile Strength at Break	46.2	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	50	%	ASTM D 638
Flexural Modulus	2827	MPa	ASTM D 790
Flexural Strength	97.9	MPa	ASTM D 790
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	1.5	mm	-
DTUL @ 66 psi	93.9	°C	ASTM D 648
DTUL @ 264 psi	82.2	°C	ASTM D 648
Vicat Temperature	108	°C	ASTM D 1525
Limiting Oxygen Index	29	%	ASTM D 2863

Other properties	Value	Unit	Test Standard
Density	1170	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	79.4 - 90.6	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	220 - 250	°C	-
Mold temperature	60 - 90.6	°C	-

**Characteristics****Processing**

Injection Molding

**Applications**

IT / Business Machine, Electrical and Electronical

**Special Characteristics**

Flame retardant

**Regional Availability**

Asia Pacific