

PULSE™ 2100LG

(PC+ABS)

Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	4.5	g/10min	ISO 1133
Temperature	260	°C	-
Load	3.8	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	4.5	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Yield stress	51	MPa	ISO 527
Yield strain	4.5	%	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Izod notched impact strength, +23°C	52	kJ/m ²	ISO 180/1A
Izod notched impact strength	24	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
ASTM Data			
Tensile Modulus	2344	MPa	ASTM D 638
Tensile Strength at Yield	53.1	MPa	ASTM D 638
Tensile Strength at Break	53.8	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	130	%	ASTM D 638
Flexural Modulus	2344	MPa	ASTM D 790
Flexural Strength	80.7	MPa	ASTM D 790
Izod Impact notched, 1/8 in	641	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	534	J/m	ASTM D 256
Temperature	-28.9	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	106	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	128	°C	ISO 75-1/-2
Vicat softening temperature, A	142	°C	ISO 306
Vicat softening temperature, B	128	°C	ISO 306
ASTM Data			
Coefficient of Thermal Expansion, MD	73.8	E-6/K	ASTM D 696
DTUL @ 66 psi	129	°C	ASTM D 648
DTUL @ 264 psi	107	°C	ASTM D 648
Vicat Temperature	143	°C	ASTM D 1525
Other properties			
Humidity absorption	0.15	%	Sim. to ISO 62
Density	1130	kg/m ³	ISO 1183
Water Absorption, 24hr	0.15	%	ASTM D 570
Density	1130	kg/m ³	ASTM D 792

Characteristics**Chemical Resistance**

General Chemical Resistance

Regional Availability

North America, South and Central America