CALIBRE™ 2061-3

PC Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**3.5**	g/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-
Molding shrinkage, parallel	**0.6**	%	ISO 294-4, 2577
ASTM Data			
Melt Flow Index, MFI	**3.5**	g/10min	ASTM D 1238
Temperature	**300**	°C	-
Load	**1.2**	kg	-
Mold Shrinkage, MD	**0.006**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2480**	MPa	ISO 527
Yield stress	**60**	MPa	ISO 527
Stress at break	**72.4**	MPa	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**2410**	MPa	ISO 178
Izod impact strength, +23°C	**N**	kJ/m²	ISO 180/1U
Izod notched impact strength, +23°C	**93**	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Modulus	**2482**	MPa	ASTM D 638
Tensile Strength at Yield	**60**	MPa	ASTM D 638
Tensile Strength at Break	**71.7**	MPa	ASTM D 638
Elongation at Break	**150**	%	ASTM D 638
Flexural Modulus	**2413**	MPa	ASTM D 790
Flexural Strength	**96.5**	MPa	ASTM D 790
Rockwell Hardness	**R 118**	-	ASTM D 785
Izod Impact notched, 1/8 in	**961**	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	**N**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**132**	°C	ISO 75-1/-2
Vicat softening temperature, B	**151**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**V-2**	class	IEC 60695-11-10
Thickness tested	**1.5**	mm	-
Burning behav. at thickness h	**HB**	class	IEC 60695-11-10
Thickness tested	**3.0**	mm	-
Oxygen index	**26**	%	ISO 4589-1/-2
ASTM Data			
UL 94 Flame rating	**V-2**	-	UL 94
Thickness tested	**0.749**	mm	-
Coefficient of Thermal Expansion, MD	**68.4**	E-6/K	ASTM D 696
DTUL @ 264 psi	**132**	°C	ASTM D 648
Vicat Temperature	**151**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Humidity absorption	**0.32**	%	Sim. to ISO 62
Density	**1200**	kg/m³	ISO 1183
Water Absorption, 24hr	**0.15**	%	ASTM D 570
Water Absorption, Equilibrium	**0.32**	%	ASTM D 570
Density	**1200**	kg/m³	ASTM D 792

Characteristics

Additives
Release agent

Special Characteristics
High impact or impact modified, Heat stabilized or stable to heat

Chemical Resistance
Oxidation Resistance

Applications
Medical

Regional Availability
North America, Asia Pacific