CALIBRE™ 603-2

PC — Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**1.8**	g/10min	ISO 1133
Temperature	**300**	°C	-
Load	**1.2**	kg	-
ASTM Data			
Melt Flow Index, MFI	**1.8**	g/10min	ASTM D 1238
Temperature	**300**	°C	-
Load	**1.2**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**2400**	MPa	ISO 527
Yield stress	**63**	MPa	ISO 527
Yield strain	**6.3**	%	ISO 527
Stress at break	**51**	MPa	ISO 527
Strain at break	**50**	%	ISO 527
Flexural modulus, 23°C	**2400**	MPa	ISO 178
Charpy notched impact strength, +23°C	**69**	kJ/m²	ISO 179/1eA
ASTM Data			
Tensile Modulus	**2351**	MPa	ASTM D 638
Tensile Strength at Yield	**63**	MPa	ASTM D 638
Tensile Strength at Break	**51**	MPa	ASTM D 638
Elongation at Yield	**6.3**	%	ASTM D 638
Elongation at Break	**50**	%	ASTM D 638
Flexural Modulus	**2399**	MPa	ASTM D 790
Flexural Strength	**93.1**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**801**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**127**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**140**	°C	ISO 75-1/-2
Vicat softening temperature, B	**146**	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	**HB**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
ASTM Data			
UL 94 Flame rating	**HB**	-	UL 94
Thickness tested	**1.6**	mm	-
DTUL @ 66 psi	**140**	°C	ASTM D 648
DTUL @ 264 psi	**127**	°C	ASTM D 648
Vicat Temperature	**146**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	**1200**	kg/m³	ISO 1183
Density	**1200**	kg/m³	ASTM D 792

Characteristics

Processing

Profile Extrusion, Sheet Extrusion

Features

Melt Strength

Special Characteristics

U.V. stabilized or stable to weather

Regional Availability

Europe, Asia Pacific, Near East/Africa