CALIBRE™ 621-2

PC Trinseo

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**2**	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	**2**	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	**2280**	MPa	ISO 527
Yield stress	**63**	MPa	ISO 527
Yield strain	**6**	%	ISO 527
Stress at break	**60**	MPa	ISO 527
Strain at break	**>50**	%	ISO 527
Flexural modulus, 23°C	**2410**	MPa	ISO 178
Charpy notched impact strength, +23°C	**42**	kJ/m²	ISO 179/1eA
Izod notched impact strength, +23°C	**92**	kJ/m²	ISO 180/1A
ASTM Data			
Tensile Modulus	**2275**	MPa	ASTM D 638
Tensile Strength at Yield	**63**	MPa	ASTM D 638
Tensile Strength at Break	**60**	MPa	ASTM D 638
Elongation at Yield	**6**	%	ASTM D 638
Elongation at Break	**90**	%	ASTM D 638
Flexural Modulus	**2406**	MPa	ASTM D 790
Flexural Strength	**95.8**	MPa	ASTM D 790

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**128**	°C	ISO 75-1/-2
Vicat softening temperature, B	**146**	°C	ISO 306
ASTM Data			
DTUL @ 264 psi	**128**	°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

Blow Molding

Certifications

Food contact, Food approval FDA 21 CFR

Special Characteristics

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

Regional Availability

Europe, Near East/Africa

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