

General

Availability

Global

Processing Method

Injection Molding

Description

Dhysical

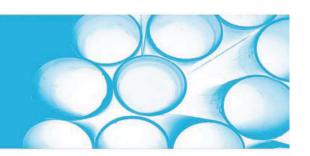
· General purpose Acrylic

Pnysical	Nominai vaiue	rest Method
Density/Specific Gravity	1.41 g/cm3	ISO 1183
Melt Volume-Flow Rate (MVR)	8 cm3/10min	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow: 23 C	1.90%	
Flow: 23 C	2.00%	
Water Absorption		ISO 62
Saturation, 23 C	0.75%	
Equilibrium, 23 C	0.20%	
Mechanical	Nominal Value	Test Method
Mechanical Tensile Modulus (23 C)	Nominal Value 2760 MPa	Test Method ISO 527-2/1A
Tensile Modulus (23 C)	2760 MPa	ISO 527-2/1A
Tensile Modulus (23 C) Tensile Stress (Yield, 23 C)	2760 MPa 65 MPa	ISO 527-2/1A ISO 527-2/1A/50
Tensile Modulus (23 C) Tensile Stress (Yield, 23 C) Tensile Strain (Break, 23 C)	2760 MPa 65 MPa 10%	ISO 527-2/1A ISO 527-2/1A/50 ISO 527-2/1A/50
Tensile Modulus (23 C) Tensile Stress (Yield, 23 C) Tensile Strain (Break, 23 C) Impact	2760 MPa 65 MPa 10% Nominal Value	ISO 527-2/1A ISO 527-2/1A/50 ISO 527-2/1A/50 Test Method

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee as conditions and methods of use are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions before adopting them on a commercial scale.







Nominal Value Thermal Test Method Heat Deflection Temperature .45 MPa, Unannealed 158 C ISO 75-2/B 1.8 MPa, Unannealed 101 C ISO 75-2/A ISO 306/B50 **Vicat Softening Temperature** 161 C **Melting Temperature** 166 C ISO 11357-3 **CLTE** ISO 11359-2 Flow 1.2E-4 cm/cm/C **Transverse** 1.2E-4 cm/cm/C

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