



R862H BK0676 Datasheet

Properties ⁽¹⁾	Test Method ⁽²⁾	Units	DAM	50% RH
Physical Properties				
Density	ISO 1183	g/cm ³	1.47	-
Mold Shrinkage	ISO 294-4	%	-	-
2 mm - Parallel				
2 mm - Normal				
Water Absorption	ISO 62	%	-	-
24 hours				
Equilibrium at 50%RH				
Mechanical Properties				
Tensile Modulus	ISO 527	MPa	9800	-
Poisson Ratio	ISO 527		-	-
Tensile Strength at Break	ISO 527	MPa	145	-
Tensile Elongation at Break	ISO 527	%	2.2	-
Flexural Modulus	ISO 178	MPa	10100	-
Flexural Strength	ISO 178	MPa	205	-
Notched Charpy Impact	ISO 179	kJ/m ²	5.9	-
23 °C				
-30 °C				
Unnotched Charpy Impact	ISO 179	kJ/m ²	48	-
23 °C				
-30 °C				
Notched Izod Impact	ISO 180	kJ/m ²	6.8	-
23 °C				
-30 °C				
Thermal Properties				
Heat Deflection Temperature	ISO 75	°C	-	-
0.4 MPa				
1.8 MPa				
Coefficient of Linear Thermal Expansion (23-55 °C)	ISO 11359	10 ⁻⁵ /°C	-	-
Parallel	ISO 11359	10 ⁻⁵ /°C	-	-
Normal				
Melt Point	ISO 11357-3	°C	259	

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- (1) Typical properties; not to be construed as specifications. Fabrication conditions, part design, additives, processing aids, finishing materials and use conditions can all affect the integrity, performance and regulatory status of finished goods.
- (2) All data taken on unannealed injection molded test specimens per ISO 294/ASTM D 1897.
- (3) Samples sealed in moisture barrier packages immediately after molding.
- (4) All numerical flame spread ratings appearing in this data are not intended to reflect hazards presented by this or any other material under actual fire conditions. Each end user should determine whether potential fire hazards are associated with the finished product and whether the Vydyne resin is suitable for the particular use. Products made from Vydyne resins and products made there from can ignite and burn. Always store and use finished products in locations well away from open flames and other sources of ignition.

For more information or to place an order in the U.S., please call our Customer Service Center at 1-800-489-3963.

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