

Vydyne® R1000IX2

polyamide 66



Vydyne R1000IX2 is an impact modified PA66 for injection molded applications.

General				
Regional Availability	• North America	• Europe		
Additive	• Heat Stabilizer	• Release agent		
Agency Rating	• ISO, 1043 PA66 I			
Appearance	• Natural Color			
Forms	• Pellets			
Processing Method	• Injection Molding			

Physical	dry	cond.	Unit	Test Standard
Density	1.13	-	g/cm ³	ISO 1183

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	2200	-	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	65	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	40	-	%	ISO 527-2
Flexural Modulus (23°C)	2000	-	MPa	ISO 178
Flexural Strength (23°C)	70	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	13	-	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	N	-	kJ/m ²	ISO 180/1U

Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature				ISO 75-2/A
1.80 MPa, Unannealed	65	-	°C	
0.45 MPa, Unannealed	160	-	°C	

Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 270	°C
Middle Temperature	270 - 280	°C
Front Temperature	270 - 280	°C
Processing (Melt) Temperature	270 - 280	°C

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Vydyne® R1000IX2

polyamide 66



Mold Temperature

60 - 100

°C

