+135-3858-6433 (GuangDong)
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Vydyne® R433H NT0773

polyamide 66

Vydyne R433H NT0773 is general-purpose, heat-stabilized, impact-modified, 33% glass-fiber reinforced PA66 resin. It is specifically designed to maximize toughness, while retaining physical properties. This product is also lubricated for improved flow and offers superior surface appearance.

General

Regional Availability	• North America	• Europe	• Asia Pacific
Additive	• Heat Stabilizer	• Lubricant	
Features	• Balanced Stiffness/Toughness	• Chemical Resistant	• Creep Resistant
	• Gasoline Resistant	• Good Dimensional Stability	• Good Heat Resistance
	• Good Rigidity	• Good Tensile Strength	• Good Toughness
	• Lubricated	• Oil Resistant	• Solvent Resistant
Agency Rating	• ASTM, D6779	• ASTM, D4066	
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	dry	cond.	Unit	Test Standard
Density	1.35	-	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 23°C, 2.00 mm	1.0	*	%	
Flow : 23°C, 2.00 mm	0.2	*	%	
Water Absorption				ISO 62
23°C, 24 hr	1	*	%	
Equilibrium, 23°C, 50% RH	1.3	*	%	

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	9400	6900	MPa	ISO 527-2
Tensile Stress (Break, 23°C)	155	113	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	4	6.4	%	ISO 527-2
Flexural Modulus (23°C)	8600	5700	MPa	ISO 178
Flexural Strength (23°C)	220	128	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Charpy Notched Impact Strength				ISO 179/1eA
+23°C	25	31	kJ/m²	
-30°C	19	18	kJ/m²	
-40°C	18	17	kJ/m²	
Charpy Unnotched Impact Strength				ISO 179/1eU

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+23°C	99	110	kJ/m²	
-30°C	110	100	kJ/m²	
-40°C	110	100	kJ/m²	
Notched Izod Impact Strength				ISO 180/1A
+23°C	25	30	kJ/m²	
-30°C	18	19	kJ/m²	
-40°C	18	18	kJ/m²	

Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature				ISO 75-2/A
1.80 MPa, Unannealed	246	242	°C	
0.45 MPa, Unannealed	259	258	°C	
Melting Temperature	260	*	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow : 23 to 55°C, 2.00 mm	16	*	E-6/K	
Transverse : 23 to 55°C, 2.00 mm	11	*	E-6/K	

Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Rear Temperature	280 - 310	°C
Middle Temperature	280 - 310	°C
Front Temperature	280 - 310	°C
Nozzle temperature	280 - 310	°C
Processing (Melt) Temperature	285 - 305	°C
Mold Temperature	65 - 95	°C