

Vydyne® PA66 30V D51

polyamide 66



Vydyne PA66 30V D51 is a PTFE lubricated, 30% glass fiber reinforced PA66 injection molding resin.

General

Regional Availability	• Europe • Near East/Africa	• Asia Pacific	• South and Central America
Additive	• Lubricant		
Features	• Abrasion Resistance	• Halogenated	• Lubricated
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Mechanical

	dry	cond.	Unit	Test Standard
Tensile Stress (Break, 23°C)	171	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	3.1	-	%	ISO 527-2
Flexural Modulus (23°C)	8800	-	MPa	ISO 178
Flexural Strength (23°C)	247	-	MPa	ISO 178

Impact

	dry	cond.	Unit	Test Standard
Notched Izod Impact Strength, +23°C	12	-	kJ/m²	ISO 180/1A
Unnotched Izod Impact Strength, +23°C	80	-	kJ/m²	ISO 180/1U

Thermal

	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	248	-	°C	ISO 75-2/A
Melting Temperature	260	*	°C	ISO 11357-3

Injection

	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Regrind	20	%
Suggested Max Moisture	0.2	%
Rear Temperature	265 - 275	°C
Middle Temperature	270 - 280	°C
Front Temperature	270 - 280	°C
Nozzle temperature	270 - 280	°C
Processing (Melt) Temperature	270 - 280	°C
Mold Temperature	60 - 100	°C

