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Vydyne® AK8ST41

polyamide 66

Vydyne AK8ST41 is a mineral filled, impact modified PA66 for injection molded applications.

General		
Regional Availability	• North America	• Europe
Additive	• Release agent	
Features	• Good Dimensional Stability	
Agency Rating	• ISO, 1043 PA66 I MD40	
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	dry	cond.	Unit	Test Standard
Density	1.45	-	g/cm³	ISO 1183
Water Absorption, Saturation, 23°C	0.5		%	ISO 62

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	4800	-	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	70	-	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	-	%	ISO 527-2

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

Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	260 - 280	°C
Middle Temperature	270 - 280	°C
Front Temperature	270 - 290	°C
Processing (Melt) Temperature	270 - 290	°C
Mold Temperature	60 - 90	°C