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

Vydyne® BST43

polyamide 6

Vydyne BST43 is an impact modified PA6 for injection molded applications.

General

Regional Availability	• North America	• Europe
Additive	• Release agent	
Agency Rating	• ISO, 1043 PA6 I	
Appearance	• Natural Color	
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	dry	cond.	Unit	Test Standard
Density	1.09	-	g/cm³	ISO 1183

Mechanical	dry	cond.	Unit	Test Standard
Tensile Modulus (23°C)	2100	-	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	50	-	MPa	ISO 527-2
Tensile Strain (Yield, 23°C)	4.1	-	%	ISO 527-2
Tensile Strain (Break, 23°C)	>50	-	%	ISO 527-2
Flexural Modulus (23°C)	1800	-	MPa	ISO 178
Flexural Strength (23°C)	70	-	MPa	ISO 178

Impact	dry	cond.	Unit	Test Standard
Charpy Unnotched Impact Strengt				ISO 179/1eU
-30°C	100	-	kJ/m²	
Notched Izod Impact Strength				ISO 180/1A
+23°C	40	-	kJ/m²	
-40°C	9	-	kJ/m²	

Thermal	dry	cond.	Unit	Test Standard
Heat Deflection Temperature, 1.80 MPa, Unannealed	74	-	°C	ISO 75-2/A

Injection	Value	Unit
Drying Temperature	80	°C
Drying Time	4	h
Suggested Max Moisture	0.2	%
Rear Temperature	220 - 230	°C
Middle Temperature	230 - 240	°C

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Front Temperature	240 - 250	°C
Processing (Melt) Temperature	240 - 250	°C
Mold Temperature	60 - 90	°C