

BERGAMID

Polyamide Resin

Product Information

BERGAMID B65 G30 BLACK 70

Production Description : 30% glass fiber reinforced PA 6 resin for injection molding.

Description (ISO 1043): * PA6-GF30
Applications: * Automotive Applications
* Household Goods
* General Applications
* Industrial Applications
* Consumer Applications
Appearance: * Black Color
Forms: * Pellets

Processing Method : * Injection Molding
Features: * Impact, High
* Stiffness, Good
* Hardness, Good
* Strength, Good
* Viscosity, Medium

Property	Test Method	Units	Value (DAM)
Physical			
Density	ISO 1183	g/cm3	1,36
Ash Content	ISO 3451	%	30±2
Mold Shrinkage (Parallel)	-	%	0,3
(Perpendicular)		%	1,1
Mechanical			
Tensile Strength	ISO 527	MPa	130
Elongation at Break	ISO 527	%	2,00
Tensile Modulus	ISO 527	MPa	8500
Izod Impact Strength (Notched)	ISO 180/1A	kJ/m2	10,50
Thermal			
Melting Range	-	°C	220-225
HDT (1,80 MPa)	ISO 75A	°C	205
(0,45 MPa)	ISO 75B		215
Vicat Softening Temperature	ISO 306	°C	210
Electrical			
Flammability (1,6mm)	UL 94	-	HB
Glow Wire Test (2,0mm)	IEC 695-2-1	°C	-
Processing Information			
Drying Temperature	-	°C	80
Drying Time	-	hour	2
Processing Temperature	-	°C	235-260
Mold Temperature	-	°C	80

Mechanical properties measured at 23°C (73°F) unless otherwise stated.

The above values are typical of samples molded and tested in laboratory conditions. The actual values may vary depending on the processing conditions and end use.