

Grilon® BKZ-30

Polyamide 6

EMS-GRIVORY

Message:

Grilon® BKZ-30 is a Polyamide 6 (Nylon 6) material filled with 30% glass bead. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Grilon® BKZ-30 are:

Flame Rated

RoHS Compliant

Impact Modified

Typical applications include:

Automotive

Appliances

Consumer Goods

Electrical/Electronic Applications

Household Applications

General Information				
Filler / Reinforcement		Glass Bead,30% Filler by Weight		
Additive		Impact Modifier		
Features		Impact Modified		
Uses		Appliance Components		
		Automotive Applications		
		Automotive Interior Parts		
		Consumer Applications		
		Electrical/Electronic Applications		
		Household Goods		
		Industrial Applications		
		Power/Other Tools		
		Sporting Goods		
RoHS Compliance		RoHS Compliant		
Forms		Granules		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.34	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.90	--	%	
Water Absorption				ISO 62
Saturation, 23°C	8.0	--	%	
Equilibrium, 23°C, 50% RH	2.0	--	%	
Hardness	Dry	Conditioned	Unit	Test Method

Ball Indentation Hardness	115	85.0	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3400	1900	MPa	ISO 527-2
Tensile Stress (Break)	65.0	40.0	MPa	ISO 527-2
Tensile Strain (Break)	15	40	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	5.0	8.0	kJ/m ²	
23°C	6.0	10	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	70	90	kJ/m ²	
23°C	70	90	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	--	°C	ISO 75-2/A
Melting Temperature ¹	222	--	°C	ISO 11357-3
Flammability	Dry	Conditioned		Test Method
Flammability Classification (0.800 mm)	HB	--		IEC 60695-11-10, -20
Additional Information	Dry	Conditioned		Test Method
ISO Type	PA 6-HI, MHR, 14-030N, GB 30--			ISO 1874
NOTE				
1.	10°C/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT