

Durethan® BKV 135 DUS008 000000

Polyamide 6

LANXESS GmbH

Message:

PA 6, 35 % glass fibers, injection molding, improved impact strength

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 35% filler by weight		
Features		Impact resistance, good		
Agency Ratings		EC 1907/2006 (REACH)		
Processing Method		Injection molding		
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	10200	6000	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	170	110	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	7.0	%	ISO 527-2/5
Flexural Modulus ¹ (23°C)	9100	5500	MPa	ISO 178/A
Flexural Stress				ISO 178/A
3.5% strain, 23°C	260	140	MPa	ISO 178/A
23°C ²	280	170	MPa	ISO 178/A
Flexural Strain at Flexural Strength ³ (23°C)	4.0	6.0	%	ISO 178/A
ISO Shortname	PA 6-HI, GR, 14-100, GF35	--		ISO 1874
Residual Moisture Content	0.030 - 0.12		%	Karl Fisher
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	10	kJ/m ²	ISO 179/1eA
23°C	20	30	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	85	85	kJ/m ²	ISO 179/1eU
23°C	100	110	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	210	--	°C	ISO 75-2/B
1.8 MPa, not annealed	200	--	°C	ISO 75-2/A
Injection	Dry	Unit	Test Method	
Drying Temperature - Dry Air Dryer	80.0		°C	
Drying Time - Dry Air Dryer	2.0 - 6.0		hr	
Processing (Melt) Temp	260 - 290		°C	

Mold Temperature	80.0 - 100	°C
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	
3.	2 mm/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

