

Durethan® BKV 20 FN00
PA6-GF18

LANXESS Deutschland GmbH

PA 6, 18 % glass fibres, injection moulding, halogen free flame retardant

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13 / *	cm³/10min	ISO 1133
Temperature	260 / *	°C	-
Load	2.16 / *	kg	-
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	7960 / 4500	MPa	ISO 527
Stress at break	110 / 60	MPa	ISO 527
Strain at break	3 / 4.9	%	ISO 527
Charpy impact strength (+23°C)	45 / 50	kJ/m²	ISO 179/1eU

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	218 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0 / *	class	UL 94
Thickness tested	1.6 / *	mm	-
Burning behav. at thickness h	V-0 / *	class	UL 94
Thickness tested	0.4 / *	mm	-
Oxygen index	34.1 / *	%	ISO 4589-1/-2

Electrical Properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	575 / -	-	IEC 60112

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1350 / -	kg/m³	ISO 1183

Test specimen production	Value	Unit	Test Standard
ISO Data			
Injection Molding, melt temperature	260	°C	ISO 294
Injection Molding, mold temperature	80	°C	ISO 294

Characteristics
Processing

Injection Molding

Special Characteristics

Flame retardant

Delivery form

Pellets

Disclaimer

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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