

Durethan BKV30H2.0XF 901510

 ${\sf PA~6,30~\%~glass~fibers,injection~molding,heat-aging~stabilized,improved~flowability}$

ISO Shortname: ISO 16396-PA 6,GF30,GHR,S10-090

60x60x2; 260 °C / MT 80 °C; 600 bar	%		d.a.m.	
•	0/_			
	70	ISO 294-4	0.25	
60x60x2; 260 °C / MT 80 °C; 600 bar	%	ISO 294-4	0.70	
60x60x2; 120 °C; 4 h	%	ISO 294-4	0.05	,
60x60x2; 120 °C; 4 h	%	ISO 294-4	0.10	
		,		
1 mm/min	MPa	ISO 527-1,-2	9000	5600
5 mm/min	MPa	ISO 527-1,-2	155	95
5 mm/min	%	ISO 527-1,-2	3	5
23 °C	kJ/m²	ISO 179-1eU	75	80
-30 °C	kJ/m²	ISO 179-1eU	50	45
23 °C	kJ/m²	ISO 179-1eA	10	15
-30 °C	kJ/m²	ISO 179-1eA	<10	<10
23 °C	kJ/m²	ISO 180-1U	65	70
-30 °C	kJ/m²	ISO 180-1U	50	50
23 °C	kJ/m²	ISO 180-1A	10	20
-30 °C	kJ/m²	ISO 180-1A	<10	<10
2 mm/min	MPa	ISO 178-A	8200	5400
2 mm/min	MPa	ISO 178-A	230	150
2 mm/min	%	ISO 178-A	3.8	5
2 mm/min	MPa	ISO 178-A	220	130
23 °C	N	ISO 6603-2	720	1000
-30 °C	N	ISO 6603-2	650	650
23 °C	J	ISO 6603-2	2.5	5.5
-30 °C	J	ISO 6603-2	2	2
10 °C/min	°C	ISO 11357-1,-3	221	
1.80 MPa	°C	ISO 75-1,-2	200	
0.45 MPa	°C	ISO 75-1,-2	215	
50 N; 120 °C/h	°C	ISO 306	200	,
23 to 55 °C	10 ⁻⁴ /K	ISO 11359-1,-2	0.2	
23 to 55 °C	10 ⁻⁴ /K	ISO 11359-1,-2	1	
	,		,	,
Water at 23 °C	%	ISO 62	7	
23 °C; 50 % RH	%	ISO 62	2.1	
	kg/m³	ISO 1183	1350	
,	kg/m³	ISO 60	650	
	60x60x2; 120 °C; 4 h 60x60x2; 120 °C; 4 h 1 mm/min 5 mm/min 5 mm/min 23 °C -30 °C 23 °C -30 °C 23 °C -30 °C 23 °C -30 °C 2 mm/min 2 3 °C -30 °C 23 °C -30 °C	60x60x2; 120 °C; 4 h % 60x60x2; 120 °C; 4 h % 1 mm/min MPa 5 mm/min MPa 5 mm/min % 23 °C kJ/m² -30 °C NJ/m² 2 mm/min MPa 23 °C N -30 °C N -30 °C J -30 °C J -30 °C J -30 °C II MPA -30 °C N -30 °C J -30 °C	60x60x2; 120 °C; 4 h % ISO 294-4 60x60x2; 120 °C; 4 h % ISO 294-4 1 mm/min MPa ISO 527-1,-2 5 mm/min MPa ISO 527-1,-2 5 mm/min MPa ISO 527-1,-2 5 mm/min % ISO 527-1,-2 23 °C kJ/m² ISO 179-1eU 23 °C kJ/m² ISO 179-1eU 23 °C kJ/m² ISO 179-1eA 23 °C kJ/m² ISO 180-1U 23 °C kJ/m² ISO 180-1A 2 mm/min MPa ISO 178-A 3 °C ISO 178-A 3 °C ISO 603-2 3 °C J ISO 6603-2	60x60x2; 120 °C; 4 h % ISO 294-4 0.05 60x60x2; 120 °C; 4 h % ISO 294-4 0.10 1 mm/min MPa ISO 527-1,-2 9000 5 mm/min MPa ISO 527-1,-2 155 5 mm/min % ISO 527-1,-2 3 23 °C kJ/m² ISO 179-1eU 75 -30 °C kJ/m² ISO 179-1eU 50 23 °C kJ/m² ISO 179-1eA 10 -30 °C kJ/m² ISO 179-1eA 10 -30 °C kJ/m² ISO 179-1eA 10 23 °C kJ/m² ISO 180-1U 65 -30 °C kJ/m² ISO 180-1U 50 23 °C kJ/m² ISO 180-1U 50 23 °C kJ/m² ISO 180-1A 10 -30 °C kJ/m² ISO 180-1A 10 -30 °C kJ/m² ISO 180-1A 20 23 °C kJ/m² ISO 180-1A 20 23 °C kJ/m² ISO 180-1A 20 2 mm/min MPa ISO 178-A 200 2 mm/min MPa ISO 178-A 230 2 mm/min MPa ISO 178-A 230 2 mm/min MPa ISO 178-A 220 23 °C N ISO 6603-2 720 -30 °C N ISO 6603-2 720 -30 °C J ISO 6603-2 2.5 -30 °C J I

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Property	Test Condition	Unit	Standard	guide value d.a.m. cond.
C Injection molding-Melt temperature		°C	ISO 294	260
C Injection molding-Mold temperature		°C	ISO 294	80
Processing recommendations	,	,		_
Drying temperature dry air dryer		°C	-	80
Drying time dry air dryer		h	-	2-6
Residual moisture content		%	Acc. to Karl Fischer	0.03-0.12
Melt temperature (Tmin - Tmax)	'	°C	-	250-280
Mold temperature		°C	-	80-120

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.





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Test values

Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the coloring.

Processing note

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.

Conditioning

Conditioning in accordance with ISO 1110 (70 °C; 62 % r.h.)

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