

Durethan® BKV30XWPLT

PA6–GF30

30% Glass Reinforced, Injection Molding, Heat Stabilized, Laser Weldable, Laser Transparent Black

Print Date: 2024–08–24

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	<i>DRY / COND</i>		
Molding shrinkage (parallel)	0.19 / *	%	ISO 294–4
Molding shrinkage (normal)	0.35 / *	%	ISO 294–4
MECHANICAL PROPERTIES			
	<i>DRY / COND</i>		
Tensile modulus	9500 / 7250	MPa	ISO 527–1/–2
Stress at break	175 / 120	MPa	ISO 527–1/–2
Strain at break	3.6 / 5.8	%	ISO 527–1/–2
Flexural modulus	8600 / 6300	MPa	ISO 178
Flexural strength	270 / 180	MPa	ISO 178
Izod notched impact strength (+23°C)	11 / 13	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES			
	<i>DRY / COND</i>		
Melting temperature (10°C/min)	222 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	188 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75–1/–2
OTHER PROPERTIES			
	<i>DRY / COND</i>		
Density	1360 / –	kg/m ³	ISO 1183
MATERIAL SPECIFIC PROPERTIES			
	<i>DRY / COND</i>		
Viscosity number	125 / *	cm ³ /g	ISO 307, 1157, 1628

All the trademarks mentioned here are trademarks of Envalior.

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.

Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.

Property Data

Durethan® BKV30XWPLT

Print Date: 2024-08-24

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
PROCESSING RECOMMENDATIONS			
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	2-6	h	
Residual moisture content	0.03-0.12	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	270-290	°C	
Mold temperature	80-120	°C	

All the trademarks mentioned here are trademarks of Envalior.

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.

Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.