

# Xytron™ G3020DW-FC

## PPS-GF30

30% Glass Reinforced, Drinking Water Grade, Food Contact Quality, Flame Retardant

Print Date: 2024-11-12

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	VALUE		
Molding shrinkage (parallel)	0.2	%	ISO 294-4
Molding shrinkage (normal)	0.65	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	VALUE		
Tensile modulus	11500	MPa	ISO 527-1/-2
Tensile modulus (120°C)	5600	MPa	ISO 527-1/-2
Tensile modulus (160°C)	3600	MPa	ISO 527-1/-2
Tensile modulus (200°C)	2800	MPa	ISO 527-1/-2
Stress at break	175	MPa	ISO 527-1/-2
Stress at break (120°C)	80	MPa	ISO 527-1/-2
Stress at break (160°C)	65	MPa	ISO 527-1/-2
Stress at break (200°C)	55	MPa	ISO 527-1/-2
Strain at break	2.1	%	ISO 527-1/-2
Strain at break (120°C)	3.5	%	ISO 527-1/-2
Strain at break (160°C)	5	%	ISO 527-1/-2
Strain at break (200°C)	5.4	%	ISO 527-1/-2
Flexural modulus	11000	MPa	ISO 178
Flexural strength	225	MPa	ISO 178
Flexural modulus (120°C)	5300	MPa	ISO 178
Flexural modulus (160°C)	4200	MPa	ISO 178
Flexural modulus (200°C)	3500	MPa	ISO 178
Charpy impact strength (+23°C)	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	9	kJ/m <sup>2</sup>	ISO 179/1eA

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

# Xytron™ G3020DW-FC

Print Date: 2024-11-12

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b>THERMAL PROPERTIES</b>			
	<b>VALUE</b>		
Melting temperature (10°C/min)	280	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	265	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.18	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.5	E-4/°C	ISO 11359-1/-2
Coef. of lin. therm expansion, parallel, above Tg	0.18	E-4/°C	ISO 11359-1/-2
Coef. of lin. therm expansion, normal, above Tg	1.2	E-4/°C	ISO 11359-1/-2
<b>ELECTRICAL PROPERTIES</b>			
	<b>VALUE</b>		
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<b>OTHER PROPERTIES</b>			
	<b>VALUE</b>		
Density	1550	kg/m³	ISO 1183
Humidity absorption	0.05	%	Sim. to ISO 62

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.