

Tufnyl™ SGF30 Natural

PA6—GF30

Injection Molding, 30% Glass Fiber Reinforced

Print Date: 2026-02-27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	0.3 / *	%	ISO 294-4
Molding shrinkage (normal)	0.9 / *	%	ISO 294-4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	9500 / –	MPa	ISO 527-1/-2
Stress at break	170 / –	MPa	ISO 527-1/-2
Strain at break	4 / –	%	ISO 527-1/-2
Flexural modulus	8000 / –	MPa	ISO 178
Flexural strength	250 / –	MPa	ISO 178
Charpy impact strength (+23°C)	85 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	12 / –	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	13 / –	kJ/m²	ISO 180/1A
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	190 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	210 / *	°C	ISO 75-1/-2
OTHER PROPERTIES	DRY / COND		
Density	1360 / –	kg/m³	ISO 1183
Ash content	30	%	ISO 3451

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 2025. 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.