

# Stanyl<sup>®</sup> ECO280F10

## PA\*—GF50

50% Glass Reinforced

Print Date: 2024-04-16

### Sustainability

Bio-based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
<i>DRY / COND</i>			
Molding shrinkage (parallel)	0.2 / *	%	ISO 294-4
Molding shrinkage (normal)	1 / *	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
<i>DRY / COND</i>			
Tensile modulus	15000 / –	MPa	ISO 527-1/-2
Stress at break	240 / –	MPa	ISO 527-1/-2
Strain at break	3 / –	%	ISO 527-1/-2
Flexural modulus	13000 / –	MPa	ISO 178
Flexural strength	370 / –	MPa	ISO 178
Charpy notched impact strength (+23°C)	16 / –	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
<i>DRY / COND</i>			
Melting temperature (10°C/min)	290 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	240 / *	°C	ISO 75-1/-2
<b>ELECTRICAL PROPERTIES</b>			
<i>DRY / COND</i>			
Relative permittivity (1GHz)	3.5 / –	–	IEC 61189-2-721
<b>OTHER PROPERTIES</b>			
<i>DRY / COND</i>			
Humidity absorption	1.4 / *	%	Sim. to ISO 62

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## Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Density	1490 / –	kg/m <sup>3</sup>	ISO 1183

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