

# EcoPaXX<sup>®</sup> Q-HGM24

## PA410-(GF+MD)30

10% Glass Reinforced, 20% Mineral Reinforced, Heat Stabilized

Print Date: 2024-05-29

### Sustainability

Bio-based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Molding shrinkage (parallel)	0.65 / *	%	ISO 294-4
Molding shrinkage (normal)	1.1 / *	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Tensile modulus	7300 / 6000	MPa	ISO 527-1/-2
Stress at break	100 / 65	MPa	ISO 527-1/-2
Strain at break	2.6 / 3.6	%	ISO 527-1/-2
Tensile modulus (120°C)	2500 / -	MPa	ISO 527-1/-2
Stress at break (120°C)	45 / -	MPa	ISO 527-1/-2
Strain at break (120°C)	6.3 / -	%	ISO 527-1/-2
Tensile modulus (160°C)	2000	MPa	ISO 527-1/-2
Stress at break (160°C)	35	MPa	ISO 527-1/-2
Strain at break (160°C)	8.2	%	ISO 527-1/-2
Charpy impact strength (+23°C)	35 / 40	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	30 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	4 / 5.3	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	4 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Flexural modulus	6650 / 4400	MPa	ISO 178
Flexural strength	175 / 115	MPa	ISO 178

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## Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	200 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	235 / *	°C	ISO 75-1/-2
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m <sup>3</sup>	ISO 1183

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