


**EcoPaXX® Q-HGM24**

PA410-(GF+MD)30

DSM Engineering Plastics

**Product Texts**

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

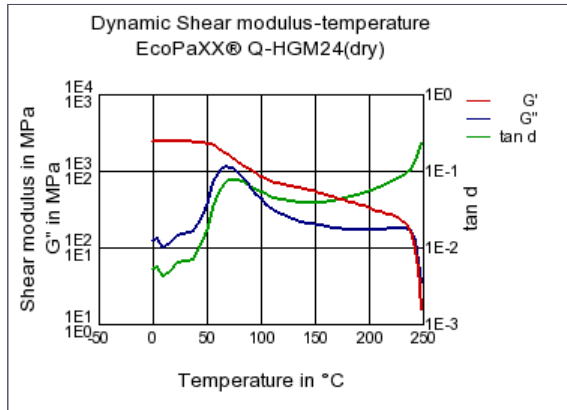
ISO 1043 PA410-(GF+MD)30

[EcoPaXX website](#)

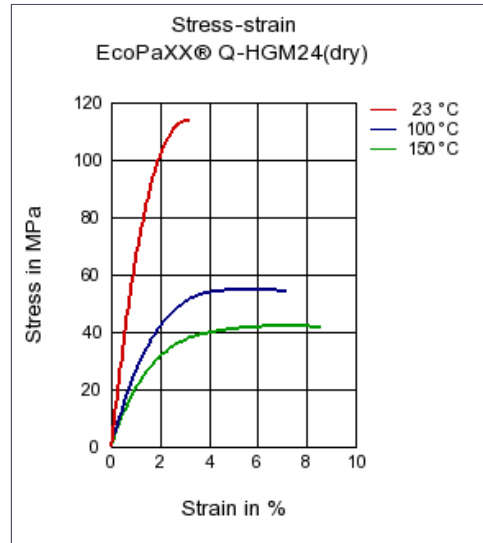
<b>Rheological properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.7 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.1 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	8000 / 6000	MPa	ISO 527-1/-2
Stress at break	95 / 65	MPa	ISO 527-1/-2
Strain at break	2.5 / 3.6	%	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
<b>Thermal properties</b>			
<b>ISO Data</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
Coeff. of linear therm. expansion, parallel	48 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	75 / *	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.5 / *	mm	IEC 60695-11-10
Burning behav. at thickness h	HB / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
<b>Other properties</b>			
<b>ISO Data</b>			
Humidity absorption	1.5 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m <sup>3</sup>	ISO 1183

Diagrams

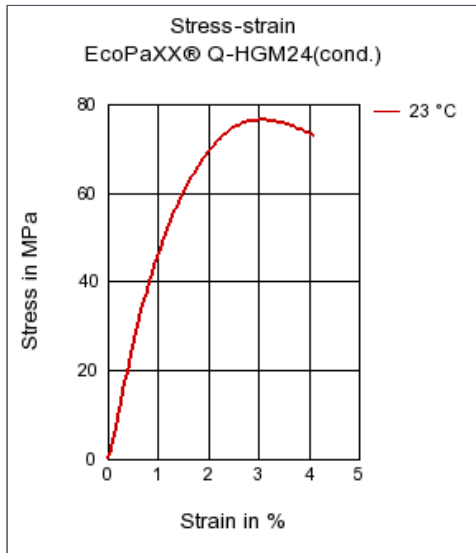
Dynamic Shear modulus-temperature



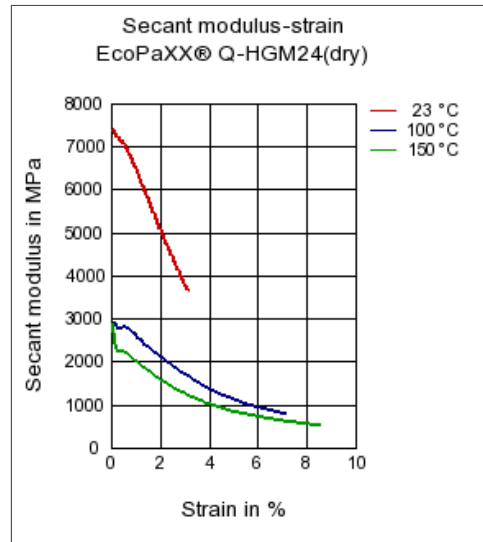
Stress-strain



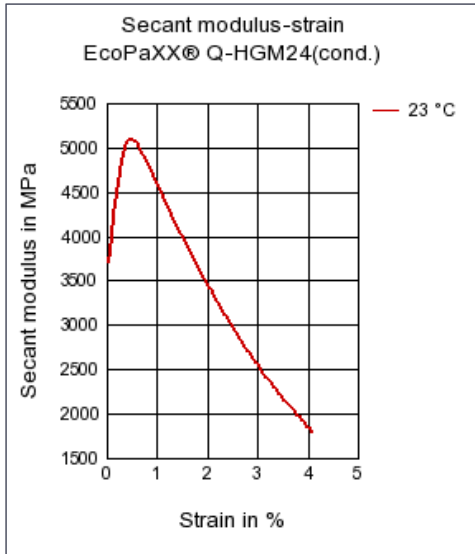
Stress-strain



Secant modulus-strain



**Secant modulus-strain**



**Characteristics**

**Processing**

Injection Molding

**Special Characteristics**

Heat stabilized or stable to heat

**Delivery form**

Granules

**Ecological valuation**

Contains renewable resources

**Additives**

Release agent

**Other text information**

**Injection Molding**

[Injection Molding Recommendations](#)