

EcoPaXX[®] Q-HG6

PA410-GF30

30% Glass Reinforced, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	0.5/*	%	ISO 294-4
Molding shrinkage (normal)	1/*	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	9500/7000	MPa	ISO 527-1/-2
Stress at break	170/115	MPa	ISO 527-1/-2
Strain at break	4/5.8	%	ISO 527-1/-2
Charpy impact strength (+23°C)	80/80	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	60/-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11/15	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	9/-	kJ/m ²	ISO 179/1eA
Flexural modulus	8500/6300	MPa	ISO 178
Flexural strength	260/185	MPa	ISO 178
Thermal properties			
	dry / cond		
Melting temperature (10°C/min)	250/*	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	215/*	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	243/*	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	0.32/*	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.66/*	E-4/°C	ISO 11359-1/-2
Other properties			
	dry / cond		
Humidity absorption	1.5/*	%	Sim. to ISO 62
Density	1340/-	kg/m ³	ISO 1183
Calculated bio based carbon content	70	%	ASTM 6866

07.10.2013

All information supplied by or on behalf of DSM in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but DSM assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the aforementioned information or product. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequence from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications.

