

EcoPaXX[®] Q-HGM24

PA410-(GF+MD)30

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

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	0.65/*	%	ISO 294-4
Molding shrinkage (normal)	1.1/*	%	ISO 294-4
Mechanical properties	dry / cond		
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 ²	ISO 179/1eU
Charpy impact strength (-30°C)	30/-	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4/5.3	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	4/-	kJ/m ²	ISO 179/1eA
Flexural modulus	6650/4400	MPa	ISO 178
Flexural strength	175/115	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)	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)	0.48/*	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.75/*	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

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