EcoPaXX®

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/m²	ISO 179/1eU
Charpy impact strength (-30°C)	60/-	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	11/15	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	9/-	kJ/m²	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/m³	ISO 1183
Calculated bio based carbon content	70	%	ASTM 6866

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