

EcoPaXX[®] Q-HG7

PA410-GF35

35% Glass Reinforced, Heat Stabilized

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Properties	Typical Data	Unit	Test Method
Rheological properties			
	dry / cond		
Molding shrinkage (parallel)	0.4 / *	%	ISO 294-4
Molding shrinkage (normal)	0.8 / *	%	ISO 294-4
Mechanical properties			
	dry / cond		
Tensile modulus	11000 / 8200	MPa	ISO 527-1/-2
Stress at break	180 / 125	MPa	ISO 527-1/-2
Strain at break	3.7 / 5.2	%	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)	12 / 16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	10 / -	kJ/m ²	ISO 179/1eA
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
Other properties			
	dry / cond		
Humidity absorption	1.3 / *	%	Sim. to ISO 62
Density	1390 / -	kg/m ³	ISO 1183
Biobased content	70	% (Bio C/Total C)	ASTM D6866-12 Method B