

EcoPaXX[®] Q-HG8

PA410-GF40

40% Glass Reinforced, Heat Stabilized

Print Date: 2019-04-17

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	12500 / 9500	MPa	ISO 527-1/-2
Stress at break	195 / 140	MPa	ISO 527-1/-2
Strain at break	3.5 / 4.8	%	ISO 527-1/-2
Tensile modulus (80°C)	7100 / -	MPa	ISO 527-1/-2
Stress at break (80°C)	125 / -	MPa	ISO 527-1/-2
Strain at break (80°C)	7.5 / -	%	ISO 527-1/-2
Tensile modulus (120°C)	6000 / -	MPa	ISO 527-1/-2
Stress at break (120°C)	105 / -	MPa	ISO 527-1/-2
Strain at break (120°C)	10 / -	%	ISO 527-1/-2
Tensile modulus (140°C)	5300	MPa	ISO 527-1/-2
Stress at break (140°C)	95	MPa	ISO 527-1/-2
Strain at break (140°C)	11	%	ISO 527-1/-2
Tensile modulus (160°C)	4800	MPa	ISO 527-1/-2
Stress at break (160°C)	85	MPa	ISO 527-1/-2
Strain at break (160°C)	12	%	ISO 527-1/-2
Charpy impact strength (+23°C)	80 / 80	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	13 / 17	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Other properties	dry / cond		
Density	1430 / -	kg/m ³	ISO 1183

Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Biobased content	70	% (Bio C/Total C)	ASTM D6866-12 Method B