EcoPaXX®

EcoPaXX® Q-HXG10 (Q-X07970)

PA410-GF50

50% Glass Reinforced, Heat Stabilized

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	16000 / 11000	MPa	ISO 527-1/-2
Stress at break	220 / 150	MPa	ISO 527-1/-2
Strain at break	3 / 6	%	ISO 527-1/-2
Tensile modulus (80°C)	8000 / -	MPa	ISO 527-1/-2
Stress at break (80°C)	130 / -	MPa	ISO 527-1/-2
Strain at break (80°C)	7 / -	%	ISO 527-1/-2
Tensile modulus (120°C)	7000 / -	MPa	ISO 527-1/-2
Stress at break (120°C)	115 / -	MPa	ISO 527-1/-2
Strain at break (120°C)	8 / -	%	ISO 527-1/-2
Tensile modulus (140°C)	6250	MPa	ISO 527-1/-2
Stress at break (140°C)	100	MPa	ISO 527-1/-2
Strain at break (140°C)	8.5	%	ISO 527-1/-2
Tensile modulus (160°C)	5700	MPa	ISO 527-1/-2
Stress at break (160°C)	90	MPa	ISO 527-1/-2
Strain at break (160°C)	9.3	%	ISO 527-1/-2
Charpy impact strength (+23°C)	90 / 98	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	92 / -	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	14 / 18	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	11 / -	kJ/m²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3

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Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Humidity absorption	1.2 / *	%	Sim. to ISO 62

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