

EcoPaXX® Q-Y

PA410-I

Impact Modified

Print Date: 2019-04-17

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	1.2 / *	%	ISO 294-4
Molding shrinkage (normal)	1 / *	%	ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	2500 / 1300	MPa	ISO 527-1/-2
Stress at break	65 / 50	MPa	ISO 527-1/-2
Strain at break	45 / >50	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / N	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / 20	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	9 / -	kJ/m ²	ISO 179/1eA
Flexural modulus	2400 / 1300	MPa	ISO 178
Flexural strength	95 / 50	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)	76 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	165 / *	°C	ISO 75-1/-2
Electrical properties	dry / cond		
Volume resistivity	>1E13 / 1E12	Ohm*m	IEC 60093
Electric strength	34 / 30	kV/mm	IEC 60243-1
Comparative tracking index	* / 600	V	IEC 60112

Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Other properties	dry / cond		
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1080 / -	kg/m ³	ISO 1183
Biobased content	66	% (Bio C/Total C)	ASTM D6866-12 Method B