Property Data

Envalior
Imagine the Future

EcoPaXX® Q–E7300

PA410–I

Tube Extrusion

Print Date: 2024–03–27

Sustainability

Bio–based

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	DRY / COND		
Molding shrinkage (parallel)	2.8 / *	%	ISO 294–4
Molding shrinkage (normal)	1.8 / *	%	ISO 294–4
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	1900 / 900	MPa	ISO 527–1/–2
Nominal strain at break	30 / >50	%	ISO 527–1/–2
Yield stress	50 / 35	MPa	ISO 527–1/–2
Yield strain	5 / 20	%	ISO 527–1/–2
Tensile modulus (120°C)	330 / –	MPa	ISO 527–1/–2
Tensile modulus (160°C)	220	MPa	ISO 527–1/–2
Charpy impact strength (+23°C)	N / N	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	N / N	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	65 / 75	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	20 / 20	kJ/m²	ISO 179/1eA
Flexural modulus	1750 / 950	MPa	ISO 178
Flexural strength	70 / 40	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)	75 / *	°C	ISO 75–1/–2

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Temp. of deflection under load (0.45 MPa)	140 / *	°C	ISO 75–1/–2
OTHER PROPERTIES	**DRY / COND**		
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1050 / –	kg/m³	ISO 1183