

EcoPaXX[®] Q-FP4

PA410-I

Impact Modified, Improved flow

Print Date: 2024-04-16

EcoPaXX[®] Q-FP4 is an unfilled, impact-modified long aliphatic polyamide with excellent impact and flow

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	2000 / 1000	MPa	ISO 527-1/-2
Stress at break	50 / 35	MPa	ISO 527-1/-2
Strain at break	30 / >50	%	ISO 527-1/-2
Yield strain	6 / 20	%	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)	75 / 75	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	20 / -	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
ELECTRICAL PROPERTIES			
	DRY / COND		
Volume resistivity	>1E13 / -	Ohm*m	IEC 62631-3-1
Electric strength	36 / -	kV/mm	IEC 60243-1

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Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
OTHER PROPERTIES	DRY / COND		
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1050 / -	kg/m ³	ISO 1183

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