

EcoPaXX[®] Q170E

PA410

Film Extrusion, Monofilament Grade, Medium Viscosity, Extrusion, Food Contact Quality

Print Date: 2024-04-16

EcoPaXX[®] Q170E is an unfilled long aliphatic polyamide for use in film & monofilament extrusion

Sustainability

Bio-based

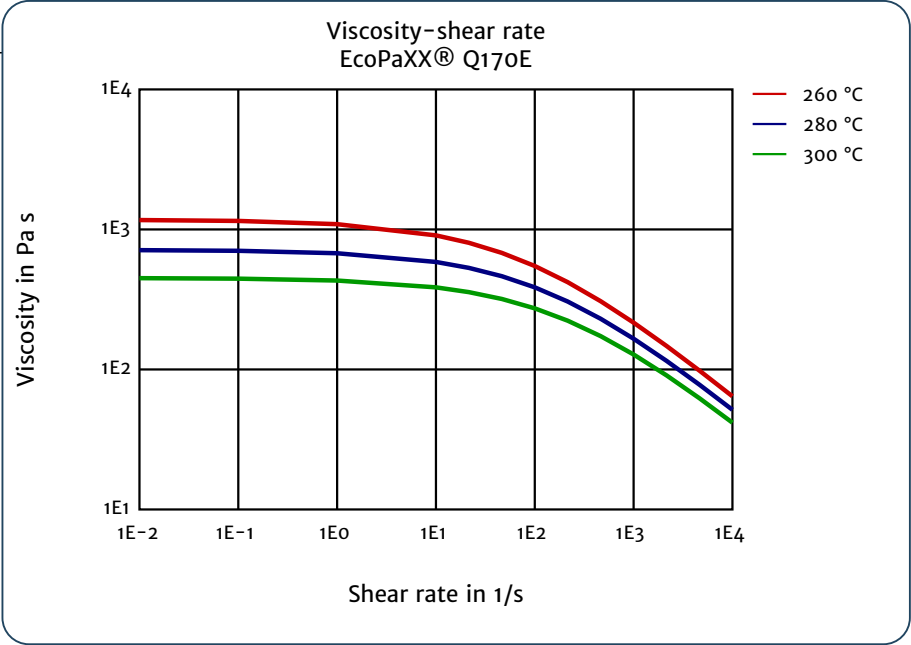
PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES	DRY / COND		
Tensile modulus	3000 / –	MPa	ISO 527-1/-2
Stress at break	80 / –	MPa	ISO 527-1/-2
Strain at break	20 / –	%	ISO 527-1/-2
Yield strain	4.5 / –	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5.4 / –	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	3.6 / –	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	DRY / COND		
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Oxygen index	24 / *	%	ISO 4589-1/-2
OTHER PROPERTIES	DRY / COND		
Water absorption	5.8 / *	%	Sim. to ISO 62
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1090 / –	kg/m³	ISO 1183
MATERIAL SPECIFIC PROPERTIES	DRY / COND		
Viscosity number	170 / *	cm³/g	ISO 307, 1157, 1628

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Viscosity-shear rate



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