

**EcoPaXX® Q170E**

PA410

DSM Engineering Plastics

Product Texts

Film Extrusion, Monofilament Grade, Medium Viscosity, Extrusion

ISO 1043 PA410

[EcoPaXX website](#)

Rheological properties	dry / cond	Unit	Test Standard
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ISO Data

Melt volume-flow rate, MVR	26 / *	cm ³ /10min	ISO 1133
Temperature	280 / *	°C	ISO 1133
Load	2.16 / *	kg	ISO 1133

Mechanical properties	dry / cond	Unit	Test Standard
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ISO Data

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
Charpy impact strength (+23°C)	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5.4 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3.6 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
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ISO Data

Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
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Other properties	dry / cond	Unit	Test Standard
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ISO Data

Water absorption	5.8 / *	%	Sim. to ISO 62
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1090 / -	kg/m ³	ISO 1183

Material specific properties	dry / cond	Unit	Test Standard
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ISO Data

Viscosity number	170 / *	cm ³ /g	ISO 307, 1157, 1628
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Characteristics**Processing**

Film Extrusion, Other Extrusion

Delivery form

Pellets

Other text information**Injection Molding**[Injection Molding Recommendations](#)**Film extrusion**[EcoPaXX Extrusion guide](#)