


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
ISO Data			
Melt volume-flow rate, MVR	26 / *	cm³/10min	ISO 1133
Temperature	280 / *	°C	ISO 1133
Load	2.16 / *	kg	ISO 1133

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

Other properties	dry / cond	Unit	Test Standard
ISO Data			
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	Unit	Test Standard
ISO Data			
Viscosity number	170 / *	cm³/g	ISO 307, 1157, 1628

Characteristics
Processing

Film Extrusion, Other Extrusion

Delivery form

Pellets

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