


**EcoPaXX® Q150-D**

PA410

DSM Engineering Plastics

**Product Texts**

Low/Medium Viscosity

ISO 1043 PA410

[EcoPaXX website](#)

Rheological properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	1.2 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	3100 / 1700	MPa	ISO 527-1/-2
Yield stress	85 / 60	MPa	ISO 527-1/-2
Yield strain	5 / 16	%	ISO 527-1/-2
Nominal strain at break	16 / >50	%	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)	5 / 13	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	4 / -	kJ/m²	ISO 179/1eA

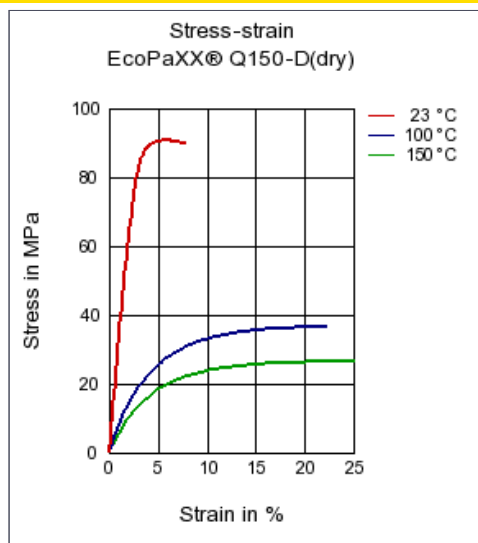
Thermal properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	77 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	175 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	70 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90 / *	E-6/K	ISO 11359-1/-2
UL recognition	UL / *	-	-

Other properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1090 / -	kg/m³	ISO 1183

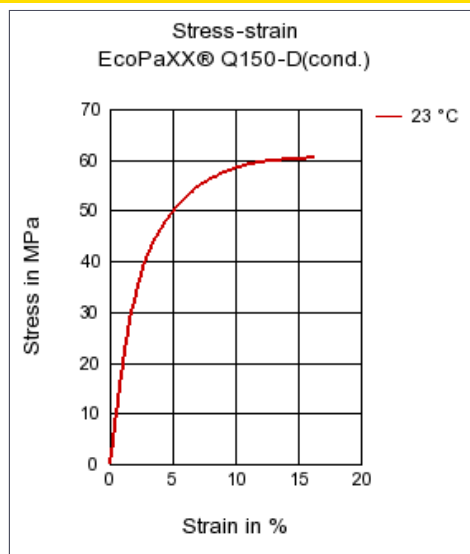
Material specific properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Viscosity number	150 / *	cm³/g	ISO 307, 1157, 1628

## Diagrams

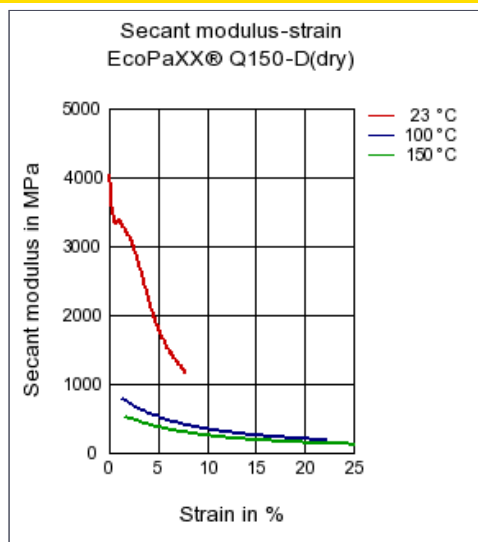
## Stress-strain



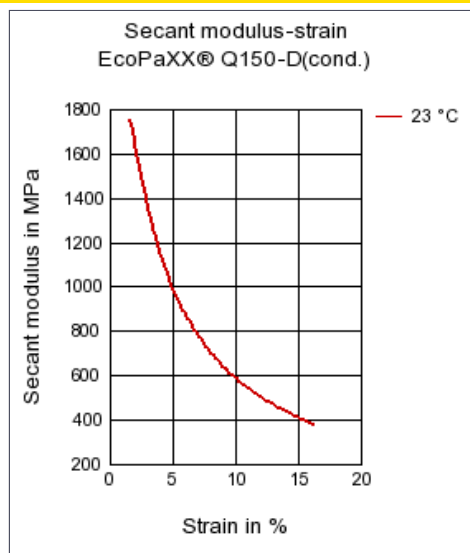
## Stress-strain



## Secant modulus-strain



## Secant modulus-strain



## Characteristics

## Processing

Injection Molding

## Additives

Release agent

## Delivery form

Granules

## Ecological valuation

Contains renewable resources

## Other text information

## Injection Molding

[Injection Molding Recommendations](#)