

Durethan AKV60XF 900116

PA66-GF60

Envalior

ISO 16396-PA 66,GF60,GHR,S12-190

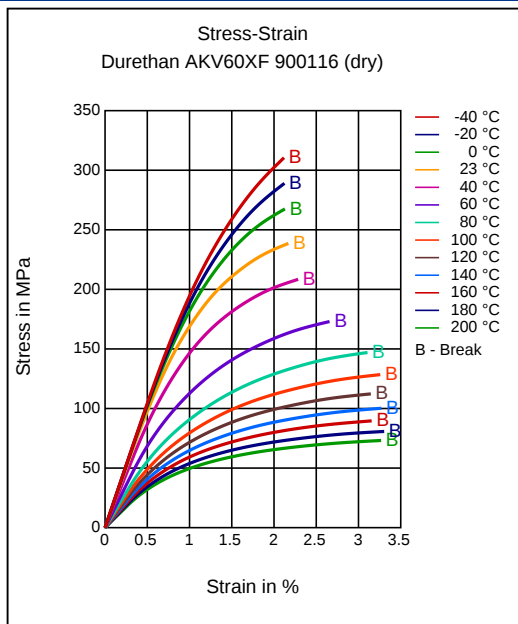
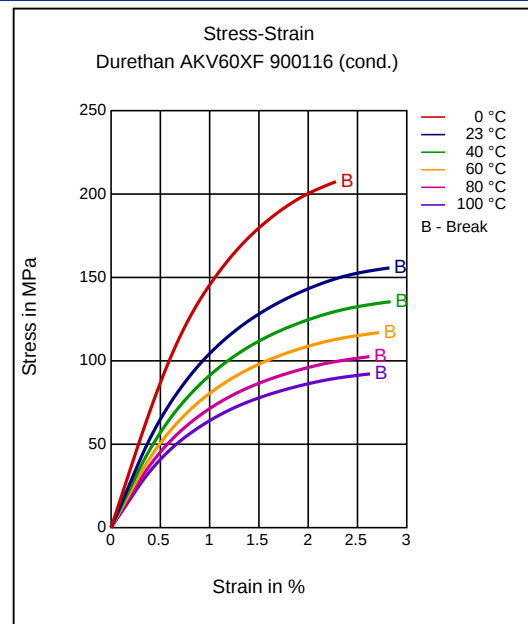
PA 66, 60 % glass fibers, injection molding, improved flowability, heat-aging stabilized

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	20200 / 13300	MPa	ISO 527
Stress at Break	210 / 145	MPa	ISO 527
Strain at Break	1.5 / 2.7	%	ISO 527
Impact Strength (Charpy), +23°C	70 / 60	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	65 / 55	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	13 / 18	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	11 / 10	kJ/m²	ISO 179/1eA

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	261 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	250 / *	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	10 / *	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	70 / *	E-6/K	ISO 11359-1/-2

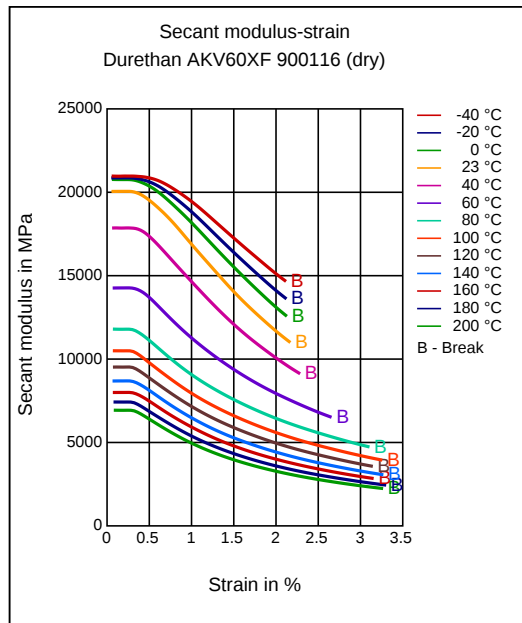
Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Density	1680 / -	kg/m³	ISO 1183

Diagrams
Stress-strain

Stress-strain


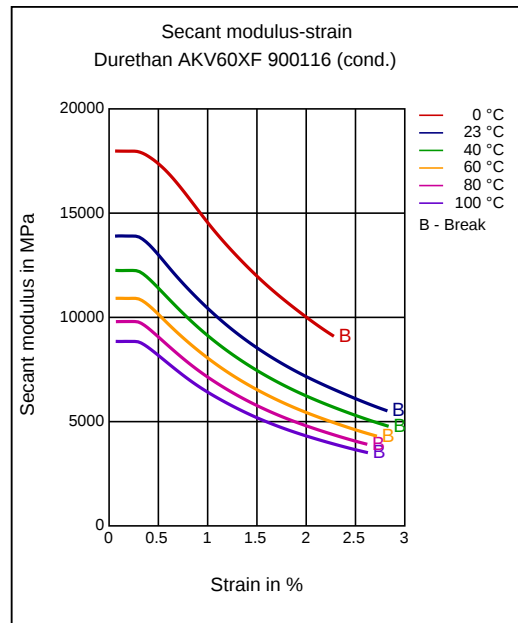
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Envalior

Secant modulus-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Special Characteristics

Heat aging stabilized