

**Durethan DPAKV30XHREF 900116**  
PA66-GF30

Envalior

ISO 16396-PA 66,GF30,GHRW,S14-080

PA 66, 30 % glass fibers, injection molding, improved flowability, heat-aging stabilized, hydrolysis stabilized, GIT/WIT

Rheological properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

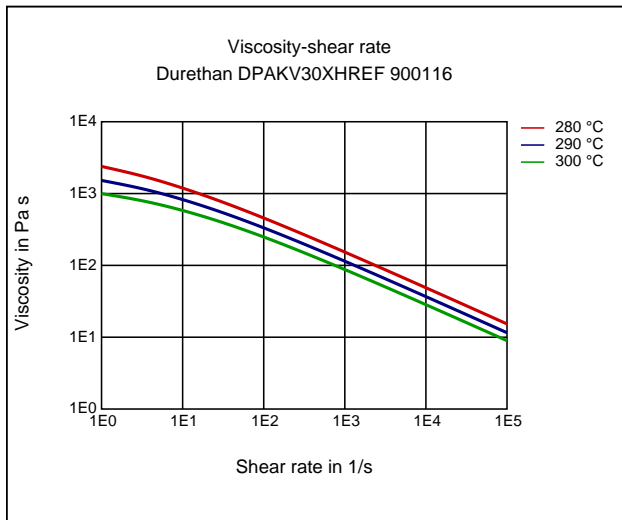
Mechanical Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	7800 / 4500	MPa	ISO 527
Stress at Break	120 / 75	MPa	ISO 527
Strain at Break	3.3 / 8.5	%	ISO 527
Impact Strength (Charpy), +23°C	60 / 75	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	55 / -	kJ/m²	ISO 179/1eU

Thermal Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Melting Temperature (10°C/min)	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	225 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	245 / *	°C	ISO 75-1/-2
Coeff. of Linear Therm. Expansion, parallel	30 / *	E-6/K	ISO 11359-1/-2
Coeff. of Linear Therm. Expansion, normal	90 / *	E-6/K	ISO 11359-1/-2

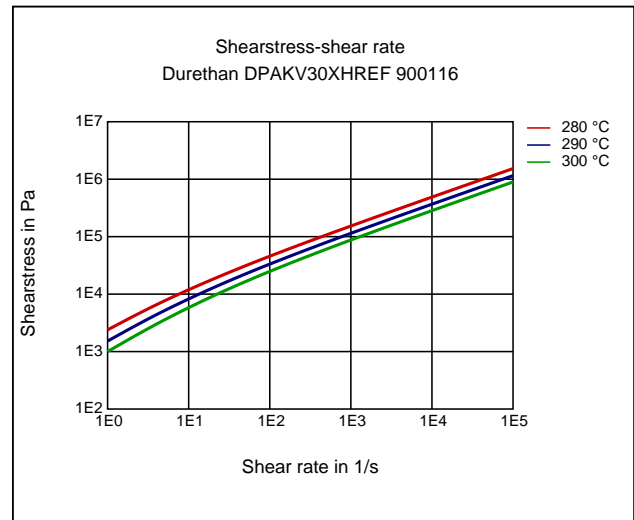
Other Properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Water Absorption	5.9 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m³	ISO 1183

**Diagrams**

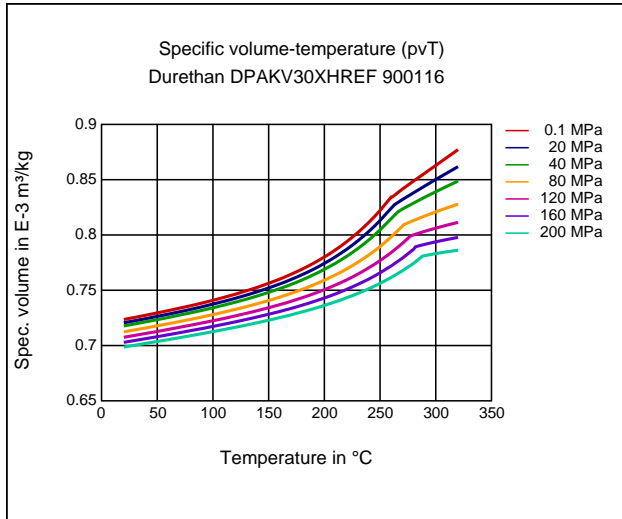
**Viscosity-shear rate**



**Shearstress-shear rate**



### Specific volume-temperature (pvT)



### Characteristics

#### Processing

Injection Molding

#### Special Characteristics

Heat aging stabilized

#### Delivery form

Pellets

#### Chemical Resistance

Hydrolysis

### Disclaimer

#### Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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- risk class III applications according to EU directive 93/42/EEC
- any bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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