

# Arnite<sup>®</sup> AV2 370 / B

## PET–GF35

35% Glass Reinforced, Brake Booster Body Valves

Print Date: 2024–03–27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>MECHANICAL PROPERTIES</b>			
	VALUE		
Tensile modulus	12600	MPa	ISO 527–1/–2
Stress at break	185	MPa	ISO 527–1/–2
Strain at break	2.5	%	ISO 527–1/–2
Charpy impact strength (+23°C)	70	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy impact strength (–30°C)	50	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	9.5	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (–30°C)	9.5	kJ/m <sup>2</sup>	ISO 179/1eA
<b>THERMAL PROPERTIES</b>			
	VALUE		
Melting temperature (10°C/min)	255	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	235	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	250	°C	ISO 75–1/–2
Coeff. of linear therm. expansion (parallel)	0.25	E–4/°C	ISO 11359–1/–2
Coeff. of linear therm. expansion (normal)	0.4	E–4/°C	ISO 11359–1/–2
<b>ELECTRICAL PROPERTIES</b>			
	VALUE		
Relative permittivity (100Hz)	3.7	–	IEC 62631–2–1
Relative permittivity (1 MHz)	3.5	–	IEC 62631–2–1
Dissipation factor (100 Hz)	30	E–4	IEC 62631–2–1
Dissipation factor (1 MHz)	130	E–4	IEC 62631–2–1
Volume resistivity	>1E13	Ohm*m	IEC 62631–3–1
Electric strength	33	kV/mm	IEC 60243–1
Comparative tracking index	250	V	IEC 60112

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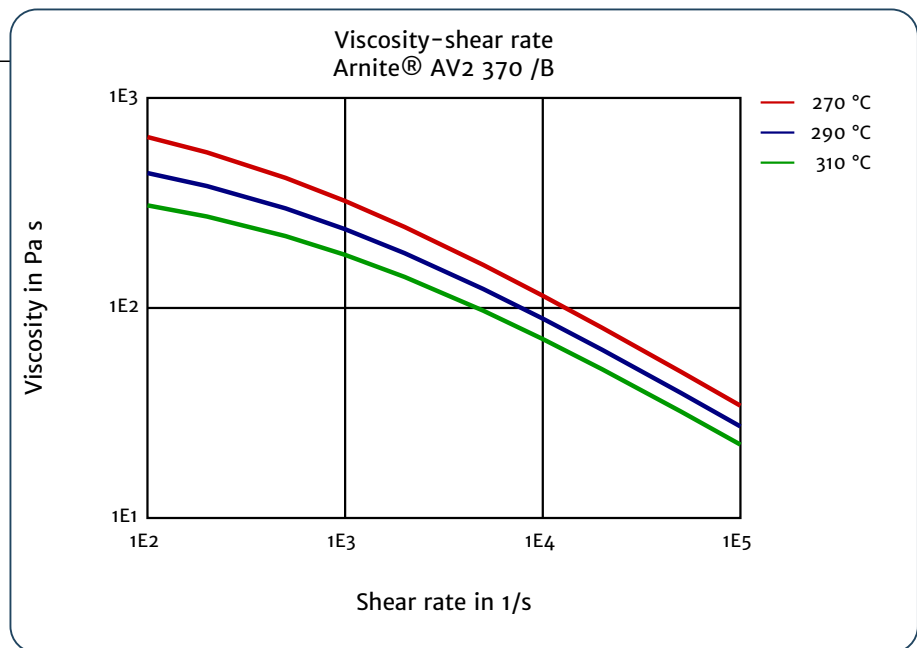
## Property Data

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>OTHER PROPERTIES</b>	<b>VALUE</b>		
Water absorption	0.45	%	Sim. to ISO 62
Humidity absorption	0.18	%	Sim. to ISO 62
Density	1630	kg/m³	ISO 1183

### Viscosity–shear rate



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