

# Arnite<sup>®</sup> AV2 340

## PET-GF20

20% Glass Reinforced

Print Date: 2024-03-27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	VALUE		
Molding shrinkage [normal]	1.1	%	Sim. to ISO 294-4
Molding shrinkage [parallel]	0.4	%	Sim. to ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	VALUE		
Tensile modulus	8500	MPa	ISO 527-1/-2
Stress at break	150	MPa	ISO 527-1/-2
Strain at break	2.5	%	ISO 527-1/-2
Charpy impact strength (+23°C)	35	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	9	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)	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)	0.3	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	0.7	E-4/°C	ISO 11359-1/-2
<b>ELECTRICAL PROPERTIES</b>			
	VALUE		
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<b>OTHER PROPERTIES</b>			
	VALUE		
Water absorption	0.5	%	Sim. to ISO 62
Humidity absorption	0.25	%	Sim. to ISO 62

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## Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Density	1520	kg/m <sup>3</sup>	ISO 1183

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