

Arnite[®] Care A1U

PET

Medical grade, Low Viscosity, Injection Molding or Extrusion Grade

Print Date: 2024-07-04

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>VALUE</i>		
Molding shrinkage (normal)	1.6	%	ISO 294-4
Molding shrinkage (parallel)	1.6	%	ISO 294-4
<i>MECHANICAL PROPERTIES</i>			
	<i>VALUE</i>		
Tensile modulus	2500	MPa	ISO 527-1/-2
Yield stress	58	MPa	ISO 527-1/-2
Stress at break	58	MPa	ISO 527-1/-2
<i>THERMAL PROPERTIES</i>			
	<i>VALUE</i>		
Melting temperature (10°C/min)	255	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	68	°C	ISO 75-1/-2
<i>ELECTRICAL PROPERTIES</i>			
	<i>VALUE</i>		
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
<i>OTHER PROPERTIES</i>			
	<i>VALUE</i>		
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1390	kg/m ³	ISO 1183