

Arnite[®] Care A1U

PET

Medical grade, Low Viscosity, Injection Molding or Extrusion Grade

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	VALUE		
Molding shrinkage (normal)	1.6	%	ISO 294-4
Molding shrinkage (parallel)	1.6	%	ISO 294-4
MECHANICAL PROPERTIES	VALUE		
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
THERMAL PROPERTIES	VALUE		
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
ELECTRICAL PROPERTIES	VALUE		
Volume resistivity	>1E13	Ohm*m	IEC 62631-3-1
OTHER PROPERTIES	VALUE		
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1390	kg/m³	ISO 1183