

Arnite[®] A02 307

PET

Low Viscosity, Injection Molding or Extrusion Grade, Food Contact Quality

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	VALUE		
Melt volume–flow rate	65	cm ³ /10min	ISO 1133
Temperature	290	°C	ISO 1133
Load	5	kg	ISO 1133
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/m ³	ISO 1183