

Arnite[®] A02 307

PET

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

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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	1160	kg/m ³	ISO 1183

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