

Arnitel® HT7719

TPC-ES

Heat Resistant Copolyester

Properties	Typical Data	Unit	Test Method
Rheological properties			
	Value		
Melt flow index MFI	15	g/10min	ISO 1133
MFI test load	10	kg	ISO 1133
MFI test temperature	230	°C	ISO 1133
Mechanical properties			
	Value		
Shore D Hardness (3s)	52	-	ISO 868
Tensile modulus	145	MPa	ISO 527-1/-2
Stress at break	32	MPa	ISO 527-1/-2
Nominal strain at break	237	%	ISO 527-1/-2
Stress at 5% strain	7	MPa	ISO 527-1/-2
Stress at 10% strain	11	MPa	ISO 527-1/-2
Stress at 50% strain	17	MPa	ISO 527-1/-2
Stress at 100% strain	21	MPa	ISO 527-1/-2
Mechanical properties (die cutting)			
	Value		
Stress at break (normal)	67	MPa	ISO 527-1/-2
Stress at 5% strain (normal)	9	MPa	ISO 527-1/-2
Stress at 10% strain (normal)	12	MPa	ISO 527-1/-2
Stress at 50% strain (normal)	16	MPa	ISO 527-1/-2
Stress at 100% strain (normal)	18	MPa	ISO 527-1/-2
Strain at break (normal)	592	%	ISO 527-1/-2

Thermal properties

Value



Property Data

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Properties	Typical Data	Unit	Test Method
Melting temperature (10°C/min)	202	°C	ISO 11357-1/-3
Other properties			
Density	1240	kg/m ³	ISO 1183

