

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

Property Data

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
THERMAL PROPERTIES	VALUE		
Melting temperature (10°C/min)	202	°C	ISO 11357-1/-3
OTHER PROPERTIES	VALUE		
Density	1240	kg/m³	ISO 1183