

Arnitel[®] HT7719

TPC-ES

Heat Resistant Copolyester

Print Date: 2024-03-27

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>VALUE</i>		
Melt flow index MFI	15	g/10min	ISO 1133
MFI test load	10	kg	ISO 1133
MFI test temperature	230	°C	ISO 1133
<i>MECHANICAL PROPERTIES</i>			
	<i>VALUE</i>		
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
<i>MECHANICAL PROPERTIES (DIE CUTTING)</i>			
	<i>VALUE</i>		
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

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Property Data

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

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