

Arnitel® HT7719
Envalior - Thermoplastic Copolyester Elastomer
General Information
Product Description

Heat Resistant Copolyester

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Good Heat Resistance
Processing Method	• Extrusion
Resin ID	• TPC-ES

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	15	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	21000	psi	ISO 527-1
Tensile Stress			ISO 527-2
Break	4640	psi	
Across Flow : Break	9720	psi	
Tensile Stress			ISO 527-2
5.0% Strain	1020	psi	
Across Flow : 5.0% Strain	1310	psi	
10% Strain	1600	psi	
Across Flow : 10% Strain	1740	psi	
50% Strain	2470	psi	
Across Flow : 50% Strain	2320	psi	
100% Strain	3050	psi	
Across Flow : 100% Strain	2610	psi	
Tensile Strain - Across Flow (Break)	590	%	ISO 527-2
Nominal Tensile Strain at Break	• > 50 % • 240	%	ISO 527-2
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	52		ISO 868
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ²	10.4	°F	ASTM D5026/D7028
Melting Temperature ³	396	°F	ISO 11357-3

Notes
¹ Typical properties: these are not to be construed as specifications.

² from DMTA (tan d)

³ 10°C/min
