

# Arnitel<sup>®</sup> FM8686

## TPC-ET

Injection Molding or Extrusion Grade, Foam Applications

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<b><i>RHEOLOGICAL PROPERTIES</i></b>			
	<i>VALUE</i>		
Melt mass-flow rate (MFR)	32	g/10min	ISO 1133
Load	2.16	kg	ISO 1133
Temperature	230	°C	ISO 1133
<b><i>MECHANICAL PROPERTIES</i></b>			
	<i>VALUE</i>		
Shore D Hardness (15s)	33	–	ISO 868
Tensile modulus	38	MPa	ISO 527-1/-2
Yield stress	6	MPa	ISO 527-1/-2
Yield strain	50	%	ISO 527-1/-2
Stress at break	20	MPa	ISO 527-1/-2
Stress at 10% strain	3	MPa	ISO 527-1/-2
Stress at 100% strain	6.6	MPa	ISO 527-1/-2
<b><i>THERMAL PROPERTIES</i></b>			
	<i>VALUE</i>		
Melting temperature (10°C/min)	195	°C	ISO 11357-1/-3
<b><i>OTHER PROPERTIES</i></b>			
	<i>VALUE</i>		
Density	1110	kg/m <sup>3</sup>	ISO 1183