

**Technical Data Sheet  
fusiolen PP-R (80)**

<b>Melt-flow index 190°C/5 kg</b>	<b>0.5 g/10 min.</b>
<b>Melt-flow index 230°C/2.16 kg:</b>	<b>0.3 g/10 min.</b>
<b>Modulus of elasticity:</b>	<b>800 N/mm<sup>2</sup></b>
<b>Yield stress:</b>	<b>25 N/mm<sup>2</sup></b>
<b>Density:</b>	<b>0.9 g/cm<sup>3</sup></b>
<b>Tensile strength:</b>	<b>25 MPa</b>
<b>Inflammation temperature:</b>	<b>490° - 500°C</b>
<b>Thermal expansion coefficient:</b>	<b>1.5*10<sup>-4</sup>K<sup>-1</sup></b>
<b>Coefficient of thermal conduction:</b>	<b>0.15 W/mK (measured at pipe)</b>
<b>Coefficient of friction in pipes:</b>	<b>0.007</b>
<b>(Pipe) bending radius:</b>	<b>6 x d</b>
<b>Water absorption:</b>	<b>&lt;1.13 %</b>
 <b>Electrical properties:</b>	
<b>Relative permittivity:</b>	<b>2.3 (in case of 1 MHz)</b>
<b>Puncture voltage:</b>	<b>500 kV/cm</b>
<b>Specific resistance:</b>	<b>&gt; 10<sup>17</sup> Ωcm</b>
<b>Surface resistance:</b>	<b>10<sup>14</sup> Ω</b>
<b>Dissipation coefficient:</b>	<b>0.0002 (in case of 50 hertz)</b>