

**IP-4 PP Duct Raw Material Data**

	<b>Norm</b>	<b>Unit</b>	<b>PP Values</b>
Density	ASTM D 1505		0,90 +/- 0,01
Elongation at yield stress	ASTM D 638	%	>10
<b>Elongation at break</b>	<b>ASTM D 638</b>	%	<b>&gt;120</b>
Flexural Modulus	ASTM D 790	MPA	900-1100
Ball indentation hardness	ISO 2039	N/mm2	45 +/- 2
<b>Shore hardness</b>	<b>ASTM D 2240</b>	<b>868 3 sec</b>	<b>65-67</b>
Tensile Strength at yield	ASTM D 790	MPA	23-24
Impact Strength	ISO 179 23°C	KJ/m2	no fracture
<b>Impact Strength</b>	<b>ISO 179 -30°C</b>	<b>KJ/m2</b>	<b>55</b>
<b>Notched Impact Strength</b>	<b>ISO 179 23°C</b>	<b>KJ/m2</b>	<b>31</b>
<b>Notched Impact Strength</b>	<b>ISO 179 -30°C</b>	<b>KJ/m2</b>	<b>2</b>
<b>Heat Resistance</b>	<b>ISO 75 A</b>	<b>°C</b>	<b>75</b>
ESC	ASTM D 1693	h	>192