



**SPECIFICATION SHEET**

**PP18 - Polypropylene**

<b>Properties</b>	<b>Unit</b>	<b>Test Method</b>	<b>Result</b>
Specific gravity	g/cm <sup>3</sup>	DIN EN ISO 1183	0.91
Maximum service temp. Upper temp limit – short term	°C		80
Lower temp. limit	°C		-20
<b>Mechanical</b>			
Tensile strength	MPa	DIN EN ISO 527	23
Elongation at yield	%	DIN EN ISO 527	7
Unnotched impact strength	kJ/m <sup>2</sup>	DIN EN ISO 179	No break
Notch impact strength	kJ/m <sup>2</sup>	DIN EN ISO 179	45
Ball indention / Rockwell hardness	MPa	DIN EN ISO 2039-1	50
Shore-D		DIN EN ISO 868	67
Tensile modulus of elasticity	MPa	DIN EN ISO 527	1200
<b>Thermal</b>			
Coeffiient of linear thermal expansion 23°C - 100°C	m/(m.K)	ISO 11359-2	1.6 x 10 <sup>-4</sup>
<b>Electrical</b>			
Surface resistance	Ω	DIN IEC 60093	1013
Dielectric strength	kV/mm	DIN IE 60243-1	52
<b>Additional information</b>			
Food compliance – FDA		FDA	Yes
Food compliance		EU 10/2011	No
<b>Flammability</b>			
Fire performance		DIN 4102	B2

**QUALITY ASSURED PRODUCTS WITH FULL TRACEABILITY**

Care should be taken in selecting the most suitable quality for each application.

Advice is available but final responsibility remains with the customer.