

# Technical Data Sheet

Natural / Black / Beige / White / Grey

Available in both homopolymer and copolymer. FDA approved with high impact resistance and excellent chemical resistance to a wide range of acids, alkalis and solvents.

Comopolymer grade contains a polyethylene additive which results in the material being slightly softer than the pure homopolymer grade. As a result, homopolyer material is commonly used in the cutting board industry. Copolymer material offers slightly better sliding properties.



Name:Polypropylene CopolymerOther names:-Abbreviation:PPC/H

#### key characteristics

- Lower working temperature than PPH
- Good chemical resistance
- lower susceptibility to stress cracking
- Improved impact strength at lower temperatures
- High welding ability
- Food compliant

#### applications

- Ventilation
- Food Industry
- Chemical tanks
- Pharmaceutical



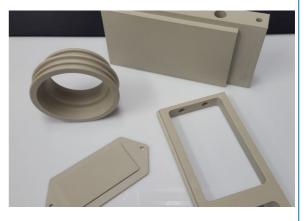
Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

Certificate Number: 14352 ISO 9001



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## **Polypropylene Sheet**

	Physical Properties 1. Specific gravity 2. Water Absorption (23 °C Saturation)	<b>Test</b> ISO 1183 ISO 62	Unit g/cm <sup>3</sup> %	<b>Result</b> 0.91 <0.01
	Mechanical Properties	Test	Unit	Result
J	<ol> <li>Tensile Stress at yield</li> <li>Elongation at Break</li> <li>Impact strength</li> <li>Notched Impact Strength</li> <li>Ball Indentation Hardness</li> <li>Shore-D</li> <li>Modulus of elasticity</li> </ol>	ISO 527 ISO 527 ISO 179 ISO 179 ISO 2039-1 ISO 868 ISO 527	MPa % kJ/m² kJ/m² N/mm² - MPa	33 90 No break 9 70 72 1700
	Thermal Properties	<b>Test Method</b>	Unit	Result
AS	<ol> <li>Softening Point</li> <li>Coefficient of linear thermal expansion</li> <li>Thermal conductivity at 20 °C</li> <li>Max. Working Temp.</li> <li>Max. Intermittent Temp.</li> <li>Min. Temp.</li> </ol>	ISO306 DIN 53752 DIN 52612	°C K <sup>-1</sup> W/(m*K) °C °C °C	80 1.6 x 10 <sup>-4</sup> 0.22 70 85 0
	Electrical Properties	Test Method	Unit	Result
5	<ol> <li>Surface resistivity</li> <li>Dielectric strength</li> </ol>	IEC 60093 VDW 0303	Ω kV/mm	> 10 <sup>14</sup> 52
	Additional Data	Test Method	Unit	Result
	1. Food compliance	FDA + EU	-	+

All The above information is for guide purposes only. The data above refers to a 40mm thick sheet. This data may vary slightly depending on material thickness.



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