

# Technical Data Sheet

## PPC/H 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, homopolymer material is commonly used in the cutting board industry. Copolymer material offers slightly better sliding properties.



### product information

Name: Polypropylene Copolymer

Other 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

PLASTICS



Certificate Number: 14352  
ISO 9001



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

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**Polypropylene Sheet**

**Physical Properties**

	Test	Unit	Result
1. Specific gravity	ISO 1183	g/cm <sup>3</sup>	0.91
2. Water Absorption (23 °C Saturation)	ISO 62	%	<0.01

**Mechanical Properties**

	Test	Unit	Result
1. Tensile Stress at yield	ISO 527	MPa	33
2. Elongation at Break	ISO 527	%	90
3. Impact strength	ISO 179	kJ/m <sup>2</sup>	No break
4. Notched Impact Strength	ISO 179	kJ/m <sup>2</sup>	9
5. Ball Indentation Hardness	ISO 2039-1	N/mm <sup>2</sup>	70
6. Shore-D	ISO 868	-	72
7. Modulus of elasticity	ISO 527	MPa	1700

**Thermal Properties**

	Test Method	Unit	Result
1. Softening Point	ISO306	°C	80
2. Coefficient of linear thermal expansion	DIN 53752	K <sup>-1</sup>	1.6 x 10 <sup>-4</sup>
3. Thermal conductivity at 20 °C	DIN 52612	W/(m*K)	0.22
4. Max. Working Temp.		°C	70
5. Max. Intermittent Temp.		°C	85
6. Min. Temp.		°C	0

**Electrical Properties**

	Test Method	Unit	Result
1. Surface resistivity	IEC 60093	Ω	> 10 <sup>14</sup>
2. Dielectric strength	VDW 0303	kV/mm	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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