

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.

www.epdm.co.uk

E-Mail: Sales@epdm.co.uk

Contact

Telephone: +44 (0)1625 573971
FAX: +44(0)1625 573250
PTM Ltd
Units AG2/3 Clarence Mill
Clarence Road, Bollington
Macclesfield, Cheshire
SK10 5JZ
United Kingdom

Polypropylene Sheet

Physical Properties

	Test	Unit	Result
1. Specific gravity	ISO 1183	g/cm ³	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 ²	No break
4. Notched Impact Strength	ISO 179	kJ/m ²	9
5. Ball Indentation Hardness	ISO 2039-1	N/mm ²	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 ⁻¹	1.6 x 10 ⁻⁴
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 ¹⁴
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.



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.

www.epdm.co.uk

E-Mail: Sales@epdm.co.uk

Contact

Telephone: +44 (0)1625 573971

FAX: +44(0)1625 573250

PTM Ltd

Units AG2/3 Clarence Mill

Clarence Road, Bollington

Macclesfield, Cheshire

SK10 5JZ

United Kingdom