

HB12XF

POLYPROPYLENE HOMOPOLYMER

Datasheet version: February 2025

| TYPICAL PROPERTIES | | | | |
|--|--------------|----------|----------|---------------|
| PROPERTY | TEST METHOD | | UNIT | TYPICAL VALUE |
| Melt Flow Rate (230°C/2.16Kg) | ASTM D1238 | | g/10 min | 11.0 ± 2.0 |
| Density | ASTM 1505 | | g/cm³ | 0.9 |
| Colour | ASTM E313 | | Yi | 0 max |
| Tensile Yield Strength (50mm/min) | ASTM D638 | | MPa | 37 |
| Tensile at break (50mm/min) | ASTM D638 | | MPa | 35 |
| Yield Elongation (50mm/min) | ASTM D638 | | % | 9.5 |
| Elongation at break (50mm/min) | ASTM D638 | | % | 18.5 |
| Flexural Modulus at 1.3mm/min (1% sec) | ASTM D790 | | MPa | 1640 |
| Notched Izod Impact Strength at 23°C | ASTM D256-A | | J/m | 37 |
| Heat Deflection Temperature | ASTM D648 | 455 kPa | °C | 119 |
| | | 1820 kPa | | 57 |
| Vicat Softening Point | ASTM D1525-A | 9.81 N | °C | 155 |
| | | 49.05 N | | 96 |

Typical data not to be used as specifications

APPLICATIONS

Fibre spinning (short quench), Resistance to gas fading

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