

MARPOL® Homo 0.8

Polypropylene Homopolymer

Marco Polo International, Inc.

Message:

MARPOL® Homo 0.8 is a low melt flow rate homopolymer resin that provides high melt strength and resistance to softening at high temperatures.

Recommended Applications

Automotive applications and industrial applications

| General Information | | | |
|---|---------------------------------|-------------------|-------------|
| Features | High Melt Strength | | |
| | Homopolymer | | |
| | Low liquidity | | |
| Uses | Industrial application | | |
| | Application in Automobile Field | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.83 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 32.0 | MPa | ASTM D638 |
| Tensile Elongation (Yield) | 13 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 1190 | MPa | ASTM D790A |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 52 | J/m | ASTM D256A |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, not annealed | 83.9 | °C | ASTM D648 |
| 1.8 MPa, not annealed | 51.7 | °C | ASTM D648 |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 1342475533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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