

# MARPOL® EVA 1804

Ethylene Vinyl Acetate Copolymer

Marco Polo International, Inc.

## Message:

MARPOL® EVA 1804 is an Ethylene Vinyl Acetate Copolymer (EVA) product. It is available in Asia Pacific, Europe, Latin America, or North America.

| General Information          |               |          |             |
|------------------------------|---------------|----------|-------------|
| Physical                     | Nominal Value | Unit     | Test Method |
| Melt Mass-Flow Rate (MFR)    | 4.5           | g/10 min | ASTM D1238  |
| Vinyl Acetate Content        | 18.0          | wt%      |             |
| Hardness                     | Nominal Value | Unit     | Test Method |
| Durometer Hardness (Shore A) | 91            |          | ASTM D2240  |
| Films                        | Nominal Value | Unit     | Test Method |
| Tensile Strength             |               |          | ASTM D882   |
| MD : Yield                   | 41.0          | MPa      |             |
| TD : Yield                   | 30.3          | MPa      |             |
| MD : Break                   | 4.68          | MPa      |             |
| TD : Break                   | 4.30          | MPa      |             |
| Tensile Elongation           |               |          | ASTM D882   |
| MD : Yield                   | 410           | %        |             |
| TD : Yield                   | 560           | %        |             |
| MD : Break                   | 9.0           | %        |             |
| TD : Break                   | 9.0           | %        |             |
| Dart Drop Impact             | 610           | g        | ASTM D1709  |
| Thermal                      | Nominal Value | Unit     | Test Method |
| Brittleness Temperature      | < -76.0       | °C       | ASTM D746   |
| Vicat Softening Temperature  | 65.0          | °C       | ASTM D1525  |

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