

COSMOTHENE® EVA KA-10

Low Density Polyethylene

TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOTHENE EVA KA-10 is produced by the latest autoclave process technology licensed by Sumitomo Chemical Co. Japan.
COSMOTHENE EVA KA-10 has good adhesion strength and good flexibility.

| General Information | | | |
|-------------------------------|---------------------|-------------------|-----------------|
| Features | Good Adhesion | | |
| | Good Flexibility | | |
| | Good Strength | | |
| Uses | Adhesives | | |
| Agency Ratings | FDA 21 CFR 175.105 | | |
| | FDA 21 CFR 177.1350 | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 0.945 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) | 20 | g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 28.0 | wt% | |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 24 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 6.90 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 800 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | < -50.0 | °C | JIS K7216 |
| Vicat Softening Temperature | 39.0 | °C | ASTM D1525 |
| Melting Temperature | 69.0 | °C | Internal Method |
| Ring and Ball Softening Point | 129 | °C | ASTM E28 |

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