

Polymer-E EV302

Ethylene Vinyl Acetate Copolymer

Asia Polymer Corporation (APC)

Message:

Polymer-E EV302 is an Ethylene Vinyl Acetate Copolymer (EVA) product. It can be processed by extrusion or foam processing and is available in Asia Pacific. Applications of Polymer-E EV302 include consumer goods and foam. Primary characteristic: good processability.

| General Information | |
|---------------------|------------------------------|
| Features | Good Processability |
| Uses | Foam Footwear |
| Processing Method | Extrusion Foam Processing |

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|-----------------|
| Density | 0.930 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 3.0 | g/10 min | ASTM D1238 |
| Vinyl Acetate Content | 8.0 | wt% | Internal Method |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 44 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Break) | 14.7 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 680 | % | ASTM D638 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 46.0 | °C | ASTM D648 |
| Brittleness Temperature | < -70.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 77.0 | °C | ASTM D1525 |
| Melting Temperature | 96.0 | °C | Internal Method |

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