

HANWHA EVA 2240

Ethylene Vinyl Acetate Copolymer

Hanwha Chemical

Message:

HANWHA EVA 2240 is manufactured by DOW tubular high pressure process and designed for packaging film application.

Good mechanical property and heat sealability

Optimized processability for use in conventional extrusion equipment

| General Information | | | |
|---|------------------------|-------------------|-----------------|
| Additive | Unspecified stabilizer | | |
| Features | Workability, good | | |
| | Good heat sealability | | |
| | Good stability | | |
| Uses | Packaging | | |
| | Films | | |
| Forms | Particle | | |
| Processing Method | Film extrusion | | |
| | Extrusion | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.929 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 2.0 | g/10 min | Internal method |
| Vinyl Acetate Content | 9.5 | wt% | Internal method |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 50 | μm | |
| Tensile Strength | | | ASTM D882 |
| MD: Break, 50 μm | 26.2 | MPa | ASTM D882 |
| TD: Break, 50 μm | 22.6 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Break, 50 μm | 230 | % | ASTM D882 |
| TD: Break, 50 μm | 700 | % | ASTM D882 |
| Dart Drop Impact (50 μm) | 400 | g | ASTM D1709A |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 75.0 | °C | ASTM D1525 |
| Peak Melting Temperature | 94.0 | °C | Internal method |
| Freezing Point | 81 | °C | Internal method |
| Optical | Nominal Value | Unit | Test Method |
| Haze (50.0 μm) | 4.4 | % | ASTM D1003 |

| Extrusion | Nominal Value | Unit |
|------------------------|---------------|------|
| Melt Temperature | 170 | °C |
| Extrusion instructions | | |
| Blow-up Ratio: 2:1 | | |

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