

HANWHA

Ethylene Vinylacetate Copolymer

1316

Foam Molding Grade

MELT INDEX 1.8

VA CONTENT 19.0

HANWHA EVA 1316 is manufactured by Dow autoclave high pressure process and designed for variety of foam molding application such as shoes and sandals etc.. EVA 1316 is well known for its excellent processability and high quality assurance.

This product complies with U.S. FDA regulation 21 CFR 177.1350 (a)(1)

▣ Outstanding Properties

Excellent Foam Molding Property
Very Good Mechanical Properties
Excellent Loading Property of Various Fillers
Good Elastic Property of Sponge

▣ Processing Conditions

Kneader : 80 ~ 100 °C
Roll Mill : 90 °C

▣ Additives

No Additives

▣ Physical Properties

| Physical Properties | Unit | Test Method | Value |
|---|---------------------|---------------------------|-------|
| Melt Index | g/10min | ASTM D1238 | 1.8 |
| VA Content | wt% | HCC Method ⁽³⁾ | 19.0 |
| Density | g/cm ³ | ASTM D1505 | 0.940 |
| Vicat Softening Point | °C | ASTM D1525 | 59 |
| Melting Point | °C | ASTM D3417 | 85 |
| Tensile Strength at Break | kg/ cm ² | ASTM D638 | 135 |
| Elongation at Break | % | ASTM D638 | 850 |
| Brittleness Temperature, F ₀ | °C | ASTM D746 | <-76 |
| Hardness | Shore A/D | ASTM D2240 | 90/36 |

1. These are typical properties : not to be construed as specification.
2. The value for this property is dependent on part geometry and fabrication conditions.
3. Elemental Analyzer and FT-IR

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