

# HANWHA

## Ethylene Vinylacetate Copolymer

# 1815

Base Resin for wire & Cable Compound

**MELT INDEX** 6.0

**VA CONTENT** 15.0

HANWHA EVA 1815 is manufactured by high pressure autoclave process and designed for base resin of variety of wire & cable compounds such as semi-conductive compound, flame retardant compound. EVA 1815 is well known for its excellent processability, filler loadability and high quality assurance.

### ■ Outstanding Properties

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

### ■ Processing Conditions

Kneader : 90 ~ 110°C  
Roll Mill : 100°C

### ■ Additives

Antioxidant

### ■ Physical Properties

| Physical Properties                     | Unit               | Test Method               | Value |
|-----------------------------------------|--------------------|---------------------------|-------|
| Melt Index                              | g/10min            | ASTM D1238                | 6.0   |
| VA Content                              | wt%                | HCC Method <sup>(3)</sup> | 15.0  |
| Density                                 | g/cm <sup>3</sup>  | ASTM D1505                | 0.936 |
| Vicat Softening Point                   | °C                 | ASTM D1525                | 66    |
| Melting Point                           | °C                 | ASTM D3417                | 88    |
| Tensile Strength at Break               | Kg/cm <sup>2</sup> | ASTM D638                 | 160   |
| Elongation at Break                     | %                  | ASTM D638                 | 800   |
| Brittleness Temperature, F <sub>0</sub> | °C                 | ASTM D746                 | <-76  |
| Hardness                                | Shore A            | ASTM D2240                | 93    |

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



Hanwha B/D, 1 Changgyo-dong, Chung-ku, Seoul, Korea. Tel : 82-2-729-1292 Fax : 82-2-729-3000