

Technical Data Sheet

Taisox- Hot-melt EVA

1. Product description

7A50H、7A60H、7B50H、7B60H、7760H are an ethylene/vinylene acetate copolymer. The trade name is Taisox. This product manufactured by the high-pressure process. By incorporating vinyl acetate (VA) into the ethylene chain produce co-polymerization to EVA.

7A50H、7A60H、7B50H、7B60H、7760H are a general-purpose for EVA Hot-melt, Key applications include packaging, bookbinding, woodworking and various assemblies. It provides excellent adhesion, high-flowability and soft properties.

2. Typical properties

| | | | 7760H | 7A50H | 7A60H | 7B50H | 7B60H |
|-------------------------------|--------------------|-------------|-------|-------|-------|-------|-------|
| Properties | Units | Test Method | | | | | |
| Melt Index MI _{2.16} | g/10min | ASTM D1238 | 25 | 150 | 150 | 400 | 400 |
| Density | g/cm ³ | ASTM D1505 | 0.945 | 0.934 | 0.938 | 0.933 | 0.942 |
| Vinyl Acetate content | % | FPC method | 28 | 19 | 28 | 19 | 28 |
| Thermal properties | | | | | | | |
| Melting point | °C | DSC | 70 | 82 | 71 | 76 | 68 |
| Freezing point | °C | DSC | 51 | 62 | 50 | 55 | 55 |
| Softening point—R&B | °C | ASTM D1525 | 36 | 43 | 33 | 39 | 34 |
| Softening point—VICAT | °C | ASTM E28 | 84 | 92 | 81 | 91 | 82 |
| Mechanical properties | | | | | | | |
| Tensile strength at break | Kg/cm ² | ASTM D638 | 82 | 70 | 40 | 40 | 20 |
| Elongation at break | % | ASTM D638 | 800 | 700 | 800 | 660 | 800 |
| Hardness | Shord D | ASTM D2240 | 20 | 23 | 16 | 22 | 19 |

*Data shown are average values and should not be examined for specifications

3. Regulatory status

The grade meets the specification promulgated by the Food and Drug Administration of United States of America (FDA) for olefin polymers in 21 code of Federal Regulation Section 177.1350. Please contact your Formosa Plastics corporation representative for detailed information and other documents.

4. Packing

FPC supplied in 25Kg/paper bag.

5. Storing

EVA must be stored at temperature under 40°C. The sun radiation, heat, humidity is prohibit. The expiration date is 3 years.

Last Update: August 20, 2015