EVA-7650M Technical Data (Ningbo Brief)

Technical Data Sheet

Formosa Plastomer 7650M

I. Product Description

7650M is an Ethylene/Vinyl Acetate copolymer, commercially named Formosa Plastomer (Taisox). This product is manufactured using a high-pressure process.

It is produced by incorporating Vinyl Acetate (VA) into the ethylene molecular chain through copolymerization, resulting in EVA.

7650M is used for extrusion coating and injection molding applications. It features good elasticity, high flexibility, transparency, and low shrinkage.

II. Basic Properties

Basic Property	Unit	Test Method	Value
Melt Flow Rate (MFR) $MI_{2.16}$	g/10min	ASTM D1238	16.0
Density	g/cm³	ASTM D1505	0.936
VA Content	%	FPC Method	18
Thermal Properties			
Melting Point	°C	DSC	84
Brittleness Temperature	°C	ASTM D746	<70
Softening Point	°C	ASTM D1525	60
Mechanical Properties			

Tensile Strength at Yield	Kg/cm²	ASTM D638	45
Tensile Strength at Break	Kg/cm²	ASTM D638	120
Elongation at Break	%	ASTM D638	800
Hardness	Shore A	ASTM D2240	88
Hardness	Shore D	ASTM D2240	38

Note: The above properties are average values and are provided for reference in material selection only.

III. Packaging

25 kg PE-lined paper bag.

IV. Storage

Store in a well-ventilated area below 40°C, away from direct sunlight. Can be stored for 3 years.

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