

Technical Data Sheet of EVOH EW-3201

Chemical Name: 32mol% Ethylene-Vinyl Alcohol Copolymer (EW-3201)

CAS NO.: 26221-27-2

Appearance: White transparent particle

Melting index (190°C, 2160g/10min): 1.5-2.5

Chroma: ≤20

Volatile content(%): ≤0.3

Ethylene(mol%): 30.0-34.0

Density (g/cm³): 1.10-1.20

Technical Data of 32mol% Ethylene-Vinyl Alcohol Copolymer (EW-3201):

Typical Properties	Unit	Test Method	Metric
MFR	g/10min	ISO1133(190°C)	1.8
Density	10 ³ kg/m ³	ISO1183-3	1.19
Thermal Properties	Unit	Test Method	Metric
Melting Temperature	°C(°F)	ISO 11357	183
Crystallization Temperature	°C(°F)	ISO 11357	162
Glass Transition Point	°C(°F)	ISO 11357	61
Vicat Softening Point	°C(°F)	ISO 306	110
Mechanical Properties	Unit	Test Method	Metric
Tensile stress at break	MPa	ISO 527	45
Elongation at break	%	ISO 527	12
Young's Modulus	GPa	ISO 527	3.4
Flexural Modulus	GPa	ISO 178	4.4
Charpy Impact Strength	kJ/m ²	ISO179-1	2.7
Rockwell Hardness	HRM	ISO2039-2	83
Barrier Properties (cast film)	Unit	Test Method	Metric
Oxygen Transmission Rate	cm ³ 20μm/m ² .d (20°C, 20%RH)	ISO 14663-2 Annex C	0.14
Typical properties: These are not to be construed as specifications.			

Application

1. Packaging materials: This series of products is widely used in packaging of food, medicine, daily chemicals, etc. due to its excellent gas barrier properties and transparency.
2. Pipe materials: This series of products has excellent processing, molding, oxygen barrier and other properties, and can be used for oxygen barrier floor heating pipes, etc., playing a role in creating a comfortable living space.
3. Automobile fuel tanks: This series of products has excellent oil resistance, solvent barrier and other properties, and is an ideal material for manufacturing automobile fuel tanks and other containers.

Package

Packages: 20 kg/bag, 25 kg/bag, 800kg/bag.

Storage

Store in accordance with local regulations on safe storage of chemical products.

Store in a dry, well-ventilated place. Stay away from hot objects, sparks, and other sources of ignition.



江苏象化科技有限公司
JIANGSU ELEPHCHEM HOLDING LIMITED

Application:

For making light-colored rubber products such as seals, dust covers, rubber rollers, linings, rubber dams, wetsuits, and outer sheaths for hoses. In its thin-chip form, it is also utilized in adhesive formulations.

Package:

In 25 kg net weight bags.

Storage:

Keep under cover in a cool and well-ventilated place, avoiding direct sunlight.

The shelf life is one year from the date of production.