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Company Profile

Nanjing Debeida New Materials Co., Ltd. was founded in 2013. We are a company specializing in plastic and chemical raw materials, and focus on engineering and special plactics (EVA, POE, PA6, PA66, SBS, SEBS), polyurethane (AA, PUR), Coating Fine Chemical Industry and other fields. We are committed to becoming a professional quality supplier to the chemical industry.

Our company's business philosophy is: Integrity, Efficiency, Win-win, People-oriented.

Since its inception, our company has won the trust of general customers with extensive technical guidance and multi-variety characteristic service management philosophy, and enjoy a higher reputation among the end customer. The company's operating network has covered most of important cities and regions in China, and rely on close cooperation with suppliers and downstream customers. The company now has more than a dozen multinational supplier systems, more than a dozen different business varieties and thousands of customer groups.

You are welcomed to contact us for more informations!

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Synthetic Resin

EAA---Ethylene Acrylic Acid

EAA is a random copolymer produced by the free radical polymerization of two monomers, ethylene and acrylic acid.

Features:

Its melting point, rigidity, and tensile yield strength are lower than those of PE, and they decrease with the increase of AA content. It is transparent, wear-resistant, low-temperature resistant, adhesive, and colorable.

Application

Film packaging and coating, bonding rubber, plastic, metal and glass. Producing composite films, toothpaste tubes, wire and cable sheaths, protective clothing, large antennas, explosion-proof glass, carpet backing, etc.

EEA---Ethylene Ethyl Acrylate

EEA is a copolymer formed by the free radical polymerization of two monomers, ethylene and ethyl acrylate.

Features:

EEA features excellent flexibility and elasticity, maintaining outstanding physical properties even at low temperatures. It has good adhesion to various materials such as rubber, plastic, metal and glass, and is highly transparent, making it suitable for applications requiring a transparent effect. Additionally, EEA is easy to process and is applicable to various molding techniques including injection molding and extrusion.







EBA--Ethylene Butyl Acrylate

EBA is a random copolymer produced by the free radical polymerization of two monomers, ethylene and butyl acrylate.

Features:

EBA has excellent flexibility and elasticity, maintaining good performance at low temperatures. It has strong adhesion to materials such as rubber, plastic, metal and glass. With high transparency, it is suitable for applications requiring a transparent effect. It is easy to process and applicable to various processes such as injection molding and extrusion.

Application

Flexible packaging, frozen food packaging films, extrusion coatings, medical hoses, adhesives, etc.

EMA---Ethylene Methyl Acrylate

EMA is a chemical substance, an ethylene copolymer containing 8% to 40% methyl acrylate.

Features:

EMA features excellent flexibility, low-temperature resistance, adhesion and transparency, and is easy to process and mold.

Application

Can be blow-molded into films for use as disposable gloves, medical and food packaging; extruded to make hoses and profiles; blow-med to make toys; foamed to make foam sheets, etc.







EVA---Ethylene Vinyl Acetate

Ethylene-Vinyl Acetate copolymer is a kind of high-molecular material produced by the chemical polymerization reaction of two monomers, ethylene and vinyl acetate.

Application:

1. Producing hot melt adhesives for packaging and furniture manufacturing.

 Manufacturing foamed materials for use in sports shoe soles and building materials.
Serving as film for agricultural mulching and food packaging.

4. Acting as insulation material for wires and cables.





POE---Polyolefin Elastomer

POE is a thermoplastic elastomer formed by the polymerization of α -olefin monomers such as ethylene and octene through metallocene catalysts.

Features:

It features excellent flexibility, low-temperature resistance, and impact resistance, and is easy to process into shape, suitable for various processing techniques such as injection molding and extrusion. It has good compatibility with many plastics like polypropylene (PP) and polyethylene (PE), and can be used for modifying materials.

Application

POE is mainly used in the manufacturing of automotive parts, seals, wire and cable sheaths, packaging materials, sports shoe soles, toys, etc. In addition, POE can also be used as a modifier to improve the flexibility and impact resistance of other plastic materials.

POP--Polyolefin Elastomer

The main difference between POP and POE lies in the content of α -olefin monomers. The

mass fraction of comonomers in POE is greater than 20%, while that in POP is less than

20%. The density range of POP is 0.875 to 0.935 g/cm³, which is higher than that of POE.

Additionally, POE performs better in terms of weather resistance and aging resistance.

Features:

Low sealing temperature, hot tack, contamination resistance, toughness, tear resistance, and transparency

Application

Heat seal layers for blown film, extrusion and cast film of fresh food, fresh meat and processed meat, block cheese and milk, etc., medical field, diapers, elastic waistbands and bottom films, detergent, laundry powder and shampoo packaging, etc., as well as wire and cable sheaths.







Thermoplastic Elastomer

SEBS---Hydrogenated styrene-butadiene block copolymer

SEBS is a thermoplastic elastomer. It is composed of two monomers, styrene and butadiene. After hydrogenation treatment, the butadiene part is converted into ethylene and butene, thereby enhancing the material's heat resistance and oxidation resistance.

Features:

SEBS has excellent weather resistance and UV resistance, making it suitable for outdoor applications. It features high elasticity and good resilience, enabling it to return to its original shape after deformation. It has good processing performance and is suitable for various molding processes. It combines softness and toughness, making it applicable in scenarios requiring flexibility. It is compatible with many plastics and can be used in modified materials.

Application

SEBS is widely used in various fields. In the automotive industry, it is used to manufacture components such as sealing strips, shock-absorbing pads and instrument panels. In the medical field, it is used to produce disposable medical devices such as infusion tubes and catheters. In consumer goods, it is used to make products such as sports shoe soles, toys and toothbrush handles. In packaging materials, it is used to produce food packaging films and cling films, etc.



TPU---Thermoplastic polyurethane rubber

TPU plastic raw materials, namely thermoplastic polyurethane. Thermoplastic TPU elastomers are made by extrusion compounding of with NCO functional groups and POLYOL and 1.4BG with OH functional groups.

Features:

TPU features outstanding elasticity and resilience, enabling it to quickly return to its original shape after deformation. It boasts excellent wear resistance, making it suitable for applications involving prolonged friction. TPU demonstrates good resistance to a variety of chemicals, including oil, acids, and alkalis. It is easy to process through various molding techniques such as injection molding, extrusion, and blow molding. Some TPU materials

have high transparency, making them ideal for manufacturing transparent products.

Application

It is widely used in footwear, clothing, inflatable toys, water sports equipment, medical devices, fitness equipment, automobile seat materials, umbrellas, suit, handbags, cables, automobiles, pharmaceuticals, pipes, films, and sheets.



Plastic Additive

- 1.Antioxidant
- 2.Environmentally friendly flame retardant
- 3.Environmental protection smoke inhibiting carbonizing agent
- 4.Plasticiser
- 5.Initiator
- 6.Low smoke halogen-free cable material special modifier, Silicone masterbatch
- 7.Filler

Semi-manufactures

- 1.Low-smoke, halogen-free cable material
- 2.Semiconductive Internal Shielding Material
- 3.Hot melt adhesive
- 4.Hot melt adhesive stick
- 5.Foam shoe material

Search for products

Russian-made PA6/PA66 Nylon PA6, Nylon PA66 High-end Aluminum hydroxide and magnesium hydroxide Antimony trioxide

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