INTERNATIONAL PETROCHEMICAL TECHNOLOGIES srl

EPR/EP(D)M Rubber

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Technology Introduction

Our EP(D)M "Solution" technology and patents rely on our deep knowledge and skills in design, process control, operation and modern equipment which optimize the product quality, production cost, and environmental measures.

Process

The main steps of IPT EP(D)M technology are:

- Polymerization
- Degassing
- Washing
- Stripping
- Finishing

Process Features

- Proprietary Reactor design;
- 20 different premium grades of rubber;
- Easy campaign switch;
- Precise polymerization control;
- Low CAPEX and OPEX;
- Highly flexible process operation and production;
- Highly independent and safe;

Product Applications

- Automotive: Hoses and Moulded Parts;
- Building: Roofing Membranes, Seals;
- Home appliance: Washing machine, Gaskets, Pipes;
- Electrical Cables and Accessories;
- Mechanical Goods: O-Rings, Tubes and Belts;
- Engine oil additive;
- Thermoplastic Vulcanizate (TPV).

Raw Materials

- Ethylene
- Propylene
- ENB
- Catalyst system
- Hydrogen
- Solvent

Simple Flow Diagram