

KIMIA POLYMER APADANA



Quality
Sustainability
Innovation



Thermoplastic elastomer (TPE) compounds

Main raw materials of TPE compounds

- SEBS, SBS
- PP, PE, PS, and etc

Main features of TPE compounds

- Excellent elasticity
- Good chemical, corrosion, weather and temperature resistance
- Excellent bending
- Easy coloring
- Wide range of hardness (10A 45D)
- Recyclable





Processing methods

• Injection, extrusion, and etc

Applications

- Road traffic equipment and safety devices
- Railway pads
- Automotive industries
- Home appliances
- Sport products
- Floor covering products
- Toys



Five-layer pipes related compounds (PEX, PERT, and Tie layer Adhesive)

PEX/PERT

 PEX and PERT compounds are used as the inner and outer layers of five-layer pipes.





Main features of PEX/PERT

- Good extrusion properties at high output rates
- Excellent impact strength
- Good ESCR and creep resistance
- Proper internal pressure resistance under ambient and elevated temperature conditions
- High temperature & pressure resistant
- Hygienically safe
- High Aging stability
- Corrosion & acid resistant

Tie layer adhesive

 A tie layer adhesive is used to bind polymer layers to aluminum.

Main features of Tie layer adhesive

- Excellent long term adhesion durability
- Excellent physical, mechanical, and processing properties
- Good adhesion to aluminum and polymer layers of pipes

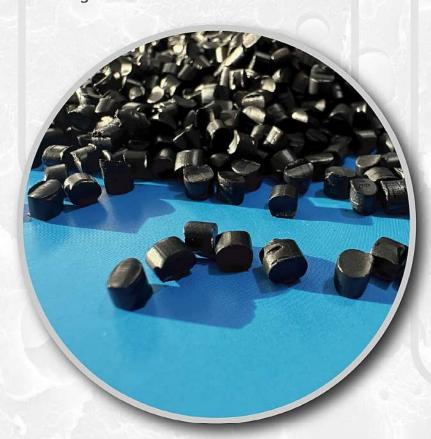






Pipe and Tape compounds

 PE based compounds (PE40, PE80, PE100, and ...) are used to prepare pipes for distribution of fluids under pressure and fuel gas.



Main features of Pipe and Tape compounds

- Good extrusion properties at high output rates
- Proper pressure resistance
- Good oxidative and environmental stress crack resistance
- Stabilized against UV
- Excellent physical, and mechanical properties



Additive masterbatches

- Antioxidant masterbatch
- Processing aid masterbatch
- UV stabilizer masterbatch
- Slip masterbatch
- Anti-block masterbatch





- Anti-block slip masterbatch
- Anti-static masterbatch
- IR absorption masterbatch
- Viscos break masterbatch
- Flame retardant masterbatch





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