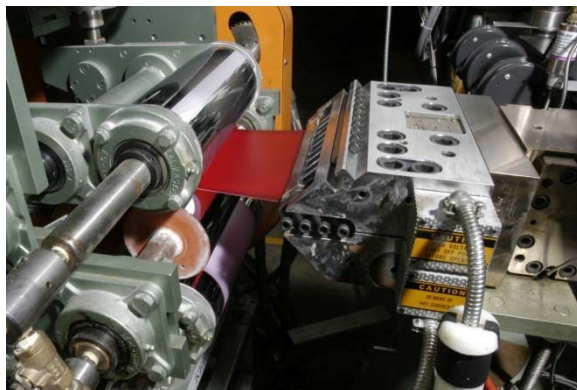


La Porte Research and Technology Center



History

The Research and Technology Center was consolidated at the La Porte site in 1988 in order to combine the expertise of three locations, create an environment of technical innovation and maximize synergies between various business lines. The Research and Technology Center has contributed significantly to the Company's success through conception, development and testing of new polymer products, catalysts and production processes.

Capabilities

- Fully equipped applications lab to simulate customer polymer conversion processes
- Full service analytical department for crude oil assays, materials testing, petrochemical intermediates and polymer characterization
- Bench and pilot scale reactors for catalyst and petrochemical process development and evaluation

Technical Achievements

Polyolefins:

- Best catalyst for advanced double loop high density polyethylene process
- Unique high density polyethylene products (oriented film and tape, high mechanical strength pipe, high rigidity transparent film)
- Leader in metallocene-based catalysts for syndiotactic polypropylene, as well as isotactic polypropylene with a broad range of crystallinity and molecular weight
- Numerous high performance polypropylene products (biaxially-oriented film, heat seal, spinning, extrusion thermoforming, high speed injection molding)

Styrenics:

- Most used styrene technology in the world
- Catalyst improvements to best ethylbenzene process technology in the world
- Optimized polystyrene process for highest production rate and highest quality
- Leader in polystyrene extrusion thermoforming, environmental stress crack resistance and packaging foam

Refining and Base Chemicals:

- Leader in toluene disproportionation / transalkylation technology

Safety and Environmental

- Advanced Integrated Management System Level 8
- Zero OSHA recordable incidents in 2009 & 2010

La Porte Research and Technology Center

Address 1902 Independence Pkwy South
La Porte, TX 77571
Main Phone 281.884.7500
Employees 84
Built 1984
Expanded 1988 and 1998

TOTAL PETROCHEMICALS

TOTAL PETROCHEMICALS USA, INC.



TOTAL