Univation Technologies

Fuel Your Success

UNIPOL™ PE Process licensees and others benefit from continuous catalyst innovation by Univation.

Our industry-leading line of globally available and commercially proven catalysts includes:

- UCATTM Catalysts(http://www.univation.com/catalysts.ucat.php) State-of-theart Ziegler-Natta and chromium-based catalysts
- XCATTM Catalysts(http://www.univation.com/catalysts.xcat.php) Metallocene catalysts, including HPR mLLDPE, the first proven and commercialized gas-phase metallocene technology; EZP mLLDPE, a commercialized easier-processing gas-phase metallocene technology
- PRODIGY™ Bimodal Catalysts(http://www.univation.com/catalysts.prodigy.php) Bimodal HDPE technology for single-reactor gas-phase production of HMW films, high-performance PE-100 pipe and blow molding



CATALYST EVOLUT	ION TIMELINE			
Initalators	Phillips Catalysts	Ziegler-Natta Catalysts	Metallocene Catalysts	Engineered Catalysts
Low density polyethylene	Linear PEs Primarily High density Low & High density	Linear PEs Low & High density	Precise control over molecular architecture of highly tailored polymers improved pocessing and properties of all polyolefins	Staged process product advantages with single reactor economics initially focused on high moleculor weight HDPE
1930s	1950s	1970s	1990s	2000s

Copyright © 2007-2012 Univation Technologies, LLC. All rights reserved. Registered Trademark of Univation Technologies, LLC.

Terms & Conditions(http://www.univation.com/legal.terms.html)

Disclaimer(http://www.univation.com/legal.disclaimer.html)