### **INVESTOR DAYS**

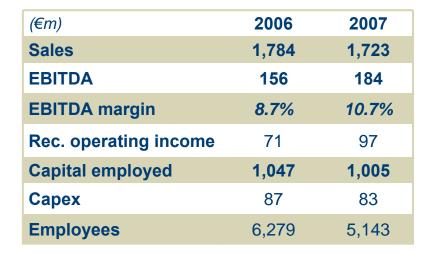


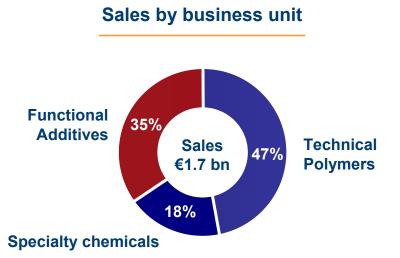




### Segment overview

- Among world leaders in niche markets
- Innovative chemical solutions
- Growth supported by R&D
- Portfolio simplified through M&A
- Strong improvement of results since 2005









### **Dramatic improvement of results**

<i>(€m)</i>	1H'06	1H'07	1H'08	Δ*
Sales	923	916	857	(6.4%)
EBITDA	83	104	119	+14.4%
EBITDA margin	9%	11.4%	13.9%	
Recurring operating income	39	61	77	+26.2%

- +6.4% sales at constant exchange rate and scope of business
- Sales price increases in each of the business units to offset increase in raw material costs
- Strong contribution from new products and new projects
- Benefits from restructuring plans
- Negative impact from €/\$ exchange rate
- Slowdown of the US construction business and increase of tin affect Functional Additives performance

### Projects contributing to EBITDA growth in 1H'08

#### Growth

- +2kT/yr of PVDF production capacity in Calvert-City (US)
- Capacity extension of the molecular sieves production in Inowroclaw (Poland)
- Debottleneck of tin stabilizers in Beijing
- New products launched (clear polyamides, biobased polyamides, photovoltaic films, etc.)

#### Productivity

- Polyamides in Europe
- Functional Additives in Europe and North America

### Portfolio management

- Divestment of urea formaldehyde resins
- Acquisition of SNF Italia activated carbon bed business

Realignment of the segment support EBITDA growth



### In-depth transformation

### Refocus the portfolio

- €300m of sales divested
- (15%) headcount reduction excluding portfolio management
- Optimize assets
- Better resource allocation in R&D

11% EBITDA margin

2007

### Build on a strong platform

- New products launched supported by R&D
- Continue to grow business in Asia
- Targeted acquisitions
- Strict cost discipline

14 to 15% EBITDA margin

2010

6% EBITDA margin

2005





# - Technical Polymers



### **Arkema Technical Polymers**

### Polyamides (PA)

Polyamide 11 & 12











Poly ether block amide elastomer







Thermal adhesive copolyamides





#### **Fluorinated**

Polyvinylidene fluoride (PVDF)





### **Functional polyolefins**

Compounds























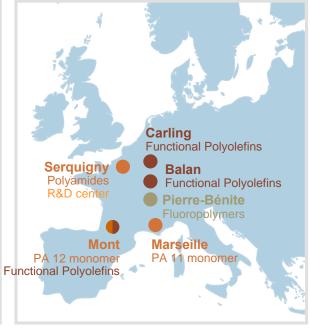






### **Global footprint**







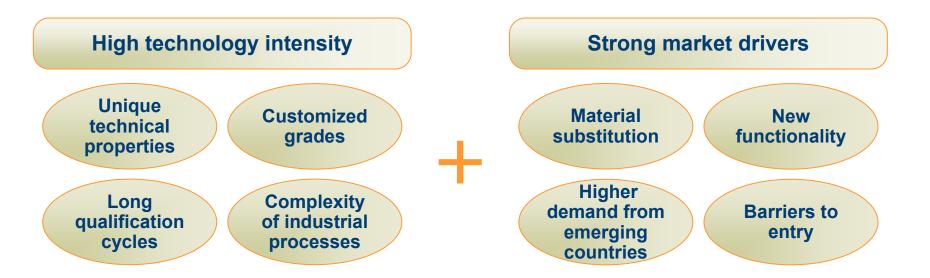
19% of segment sales

55% of segment sales

22% of segment sales



### Value creating business model



### Serving a wide range of end-markets

Offshore, textile, consumer products, sporting goods, automotive, hydraulic and pneumatic equipment, medical, cosmetics, films, coatings, wire and cable, chemical processing, packaging, plastics modification, adhesives...

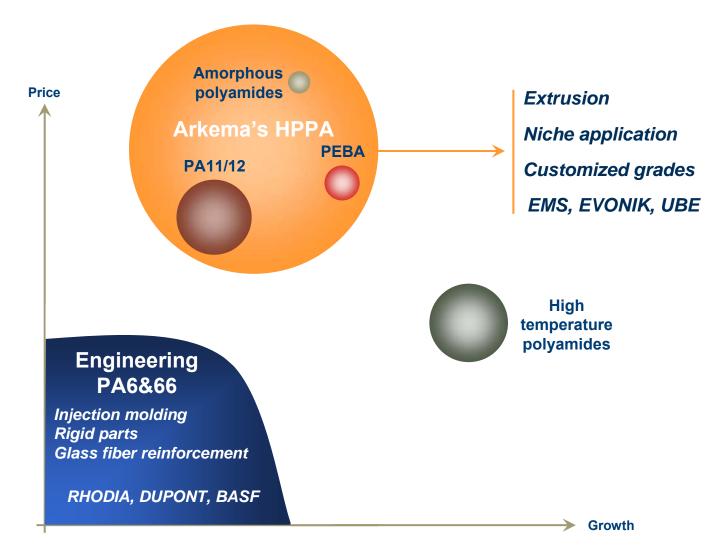
### High specialty niches with growth potential: 4 to 10%



## High performance polyamides



# Polyamides 11&12: high performance polyamides





### PA11&12: outstanding technical properties

### Extrusion – flexibility - toughness



#### **Flexibility**

From soft rubber-like behavior to rigid nylon-like behavior



#### **Toughness**

All around toughness even at low temperature



#### **Chemical resistance**

Superior than other polyamides



#### Lightness

The lightest of low polyamides



#### Weather resistance

Long lifetime under UV exposition



#### **Processability**

Good Melt Fluidity, high speed of recrystallisation, better flexibility than other polyamides (extrusion), dimensional stability



### **Profitable niche markets**



Truck Tubing &
Pneumatic
Systems



Electrical/Electronics

### Oil & Gas Pipes



Automotive
Tubing
& Connectors

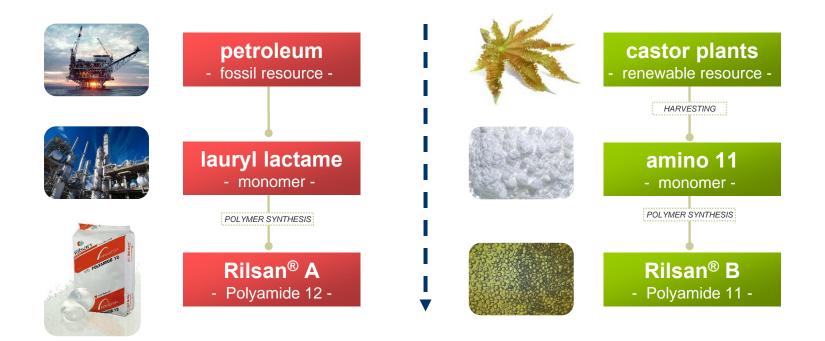




**Sports Equipment** 



### Arkema's HPPA: dual sourcing



- Alternative raw materials sourcing
- Unique bio-based properties offer new opportunities





### Rationalizing European production

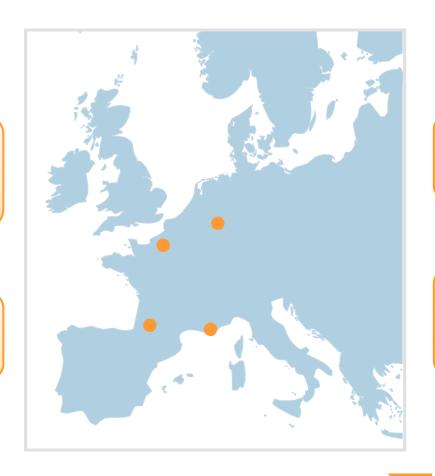
#### Serquigny

PA11 & 12

Reduction of 49 positions
€13 m capex in new products

#### Mont

Monomer PA12 +40% orgasol® capacity



#### **Bonn**

Site closure
Reduction of 83 positions

#### Marseille

Monomer PA11
Reduction of 48 positions
+10% production capacity





### Accelerating growth and expanding portfolio

### Develop bio-based applications

- Rilsan® 11 P210 (2005)
- Pebax® R New (2007)
- Platamid® RNew (2007)
- O&G Deep Blue (2009)
- A11 Based Orgasol<sup>®</sup> (2009)

### High temperatures polyamides

Injection PA High Tc (2008-2009)

### Specialty niches and differentiation

- Rilsan ® Clear (2006)
- Pebax ® SP (2007)
- Transparent Pebax ® (2007)
- Crosslinkable Copolyamides (2006)
- Laser Sintering Grades (2006)
- Orgasol ® Caresse (2007)









### KYNAR® PVDF at a glance

- Coleader worldwide
- Integrated production sites in Europe and North America
- New site in China in 2010
- Main end markets: architectural, coatings, chemical processing industry, energy, oil & gas

### **Technical properties**



#### **Toughness**

High thermo-mechanical properties The strongest fluoropolymers



#### Chemical resistance

Chemical resistance to most acids & halogens Low permeability to most gases and liquids



#### Lightness

On of the lightest fluoropolymers



#### Weather resistance

Exceptional UV and radiation stability



#### **Processability**

Remarkable melt-processability

Solvent process is also possible, especially with Kynarflex®



### Market drivers for profitable growth

Oil & Gas





Photovoltaic modules

Drugs, vaccines, medicines

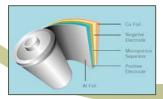




+6% market growth



**Cool roofing** 



Next generation batteries



Potable water



# Technical Polymers: a high-value specialty business

### 2005-2008: Realign business

- Reducing fixed costs
- Refocusing portfolio of products
- Redefining R&D priorities
- Differentiating our products

### 2008-2010: Develop growth platform

- Selective extensions
- Position innovation on emerging opportunities (photovoltaic, renewable, nanotechnology, etc.)
- Increase manufacturing presence in Asia

### Creating value using our unique competitive advantages

