

21

(Nanomaterial)

가

Freedonia Group	33%	가	2010	45	2002	2	2007	10
Consulting Resources	48%	가	가	2003	3	8500	2013	200
Clay, Silica Dioxide)				TiO2(Titanium				
Mechanical Planarization)				CMP(Chemical				
(Carbon Nanotube)				가				
가								
Nanoclay				Nanoscale Oxide			Nanoclay	
				(Composite Material)			Amcol Intenational	
Nanocor, Rockwood Specialties				(Back-Integrated)	Southern Clay	Sud-Chemie		
Nanoscale Oxide								
Degussa	Cabot			Nanoscale Zinc Oxide			Nanoscale Oxide	
				Nanosclae Fumed Oxide			2	
Dugussa	4			2500 (2900)				
Nanoscale Zinc, Cerium				Indium-Tin Oxide			Degussa	US
Filter				Nanoscale Zinc Oxide			2004	
가								
Degussa	Hanau				Nanoscale Oxide	10		2005
	가			6	1			
Degussa	Creavis Technology & Innovation				AdNano			

Cabot Superior MicroPowders(SMP) , MicroPowders 1600
SMP

APC(Air Products & Chemical) Nanotechnologies Pulsed Plasma
Nanoscale Oxide

APC 2 Nanotechnologies 가

DuPont· BASF, DuPont 2002 NanoSource Technologies TiO2 , Millennium
Chemicals Sachtleben Chemie TiO2 TiO2

Rhodia TiO2 (Rare Earth Oxide)
Aluminas

Silica

Nonoscale Oxide

Technologies Rohm & Haas(R & H) NanoPhase
CMP

Slurry BASF

Nanoscale Zinc Oxide

BASF R & D 10 10% R & D

BASF

Nanoscale Polymer Colloid Nanoscale Oxide

BASF University of Michigan

(Nanocube)

Zinc Oxide

(Benzene)
(Porous)

(Naphtha)

BASF BASF Venture Capital
Solutions(CSI)

Nanoscale Oxide

BASF Venture Capitals Oxonica
TiO2

가

CSI

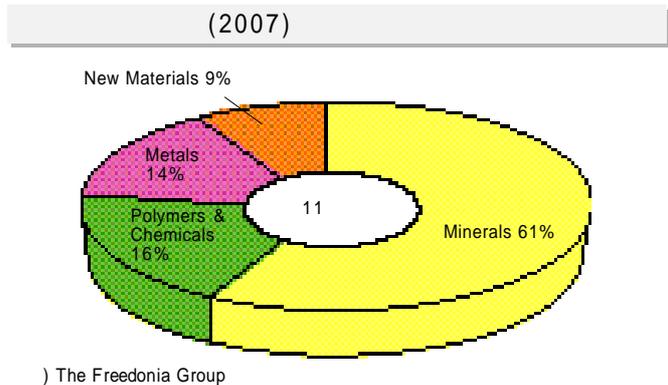
Oxford University
2004

가

Oxonica
Cerium Oxide

Oxonica

Catalytic



) The Freedonia Group

GE (General Electric) 2001 Nanoceramic Self-Assembling Nanostructure Technology
, Nanorod, Nanoparticle, Nanocomposite, Massachusetts Institute of
GE Nanoceramic Nanocomposite

(Scaleability)

(Butadiene) Methyl Methacrylate Block Copolymer

Atofina Styrene,
(Impact Modifier)

Atofina Ionic Polymerization
Self-Assembly
가

Atofina

가
Modifier 가
Block Copolymer

R & H Nanopore Acrylic Nanoparticle Low-K Dielectric
Nanopatterning

DuPont Carbon Nanotechnologies FED (Field-Emission Display) FDP (Flat-Panel Display)
(Single-Wall) FPD Nanomix
Field-Emitting Thick-Film

ConocoPhillips University of Oklahoma Pilot
가

SouthWest NannTechnologies가

SouthWest

g 500

Business Communications
가

1000

가

< 2004/08/16 >