

The North American Market for Plastics Compounding

<https://marketpublishers.com/r/NCDD8452E9CEN.html>

Date: February 2018

Pages: 179

Price: US\$ 1,250.00 (Single User License)

ID: NCDD8452E9CEN

Abstracts

REPORT SCOPE:

This report covers the compounding of major thermoplastic resins. The high-volume commodity resins include high-density polyethylene (HDPE), low-density polyethylene (LDPE), linear low-density polyethylene (LLDPE), polypropylene (PP), polystyrene (PS), polyvinyl chloride (PVC) and thermoplastic polyesters (primarily PET). Engineering thermoplastics (ETPs) covered include polybutylene terephthalate (PBT), nylons (polyamides), polycarbonates, acrylonitrile-butadiene-styrene terpolymers (ABS) and some real specialties like polyacetals and polysulfones. This report also includes an introduction to thermoplastic elastomers and some biocompounds—plastics that are made from plants instead of hydrocarbons. It excludes thermosetting resins since they have different chemistries and are usually processed differently.

The plastics compounding market is segmented by each of the above resins and by each of the three plastics compounding groups. Applications and markets by volume in pounds or value in dollars are estimated for the years 2016 and 2017 and a five-year forecast to 2022. Major resin producers, key plastics processors and independent compounders are identified. We discuss the activities, product lines and other information for the major independent compounders.

Our market estimates are based on manufacturers' total revenues and are mostly for markets for the United States or North America. Other features in this report include the following:

Review of key plastics additives used in plastics compounding.

Important information on major fillers/reinforcements.

Developments in carbon fiber and carbon nanotubes for reinforcement of thermoplastics.

Advances in natural fiber reinforcements.

Regulatory and environmental developments shaping compounds, ranging from phthalate plasticizers to halogenated flame retardants.

Key suppliers of plastics additives and fillers/reinforcements.

Notes of some recent advances in plastics compounding and machinery.

REPORT INCLUDES:

21 data tables and 16 additional tables

An overview of the global plastics compounding market

Analyses of global market trends, with data from 2016 and 2017, and projections of CAGRs through 2022.

Coverage of the major thermoplastic resins and thermoplastic elastomers (TPEs); resins, including high-density polyethylene (HDPE), low-density polyethylene (LDPE), linear low-density polyethylene (LLDPE), polypropylene, polystyrene, and engineering thermoplastics (ETPs): the major representatives being nylons, polycarbonates, polyacetals, PET, and PBT; the report also includes bio compounds, or plastics that are made from plants instead of hydrocarbons.

Identifications of major resin producers, key plastics processors, and independent compounders, along with activities, product lines, and estimated sales for the major independent compounders.

Reviews of key plastics additives used in plastics compounding and advances in plastics compounding equipment.

Information on major fillers/reinforcements.

Developments in carbon fibre and carbon nanotubes, and advances in natural fibres.

Company profiles of major key players in the market, including Advanced Composites Inc., Basf Corp., Clariant International Ltd., The Dow Chemical Co., ExxonMobil Chemical Co., Plastics Plus Inc. and Polymer Resources Ltd.

Contents

CHAPTER 1 INTRODUCTION

Study Goals and Objectives
Reasons for Doing This Study
Scope of Report
Methodology and Information Source
Analyst's Credentials
Related BCC Research Reports

CHAPTER 2 SUMMARY AND TRENDS

Developments
Plastics Users
Bioplastic Resins
Plastic Additives
Fillers and Reinforcement
Masterbatch

CHAPTER 3 OVERVIEW

Introduction and Definitions
Background
Additives
Types of Compounders

CHAPTER 4 RESINS

Overview
Polyethylene
Low-Density Polyethylene
High-Density Polyethylene
Linear Low-Density Polyethylene
Polyethylene Compounding
Polyethylene Producers
Market
Polypropylene
Polypropylene Copolymers

Typical Applications
Polypropylene Properties
Polypropylene Compounding
Polypropylene Producers
Market
Polyvinyl Chloride
Forms and Grades of PVC
Chlorinated PVC
Applications for PVC
PVC Processing
PVC Producers
PVC Compounding
Market
PVC's Environmental Issues
Polystyrene
General Purpose Polystyrene
Polystyrene Producers
Polystyrene Processing
Market
Polystyrene Environmental Issue
Thermoplastic Polyesters
Major PET Applications
PET Competition Pricing
Modified PET Resins
PET Producers
Market
Engineering Thermoplastics
Polybutylene Terephthalate
Polyamides (Nylons)
Polycarbonates
Acrylonitrile-Butadiene-Styrene (ABS)
Other Engineering Resins
Market
Thermoplastic Elastomers
Thermoplastic Olefins
Copolyester Types
Thermoplastic Polyurethanes
Styrene Block Copolymers

CHAPTER 5 BIOCOMPOUNDS

Starch-based Plastics

Producers

Applications

Polyhydroxyalkanoate (PHA)

Producers

Polyhydroxybutyrate (PHB)

Poly lactide (Polylactic Acid, or PLA) Plastics

Producers

Applications

Castor Oil Polymers

Cellulose

Soybean Oils

Bio-derived Polyethylene

1, 3-Propanediol (PDO)

Producers

New Developments in Bioplastics

CHAPTER 6 PLASTIC ADDITIVES

Market Estimates and Forecasts

Additive Usage in Thermoplastics

Antistatic Agents

Types of Antistatic Agents

Antistatic Agent Developments

Antioxidants

Antioxidant Developments

Biocides

Biocide Developments

Blowing Agents

Physical Blowing Agents

Chemical Blowing Agents

Market Estimate and Forecast

Developments of Blowing Agents

Colorants

Titanium Dioxide

Masterbatches

Precolored Resin

Dry Color
Liquid Color
Single Pigment Concentrates (SPC)
Issues in Plastic Coloring
Developments in Plastic Coloring
Coupling Agents
Defoaming Agents
Emulsifiers
Flame/Fire Retardants
Organic Bromine Compounds
Antimony Oxide
Alumina Trihydrate (ATH)
Chlorinated Compounds
Molybdenum and Magnesium Compounds
Phosphorus Compounds
Market Estimate and Forecast
Flame-Retardant Regulatory Issues
Developments in Flame Retardants
Heat Stabilizers
Antimony Mercaptides
Mixed-Metal Heat Stabilizers
Lead-based Heat Stabilizers
Organotin Heat Stabilizers
Organosulfide Heat Stabilizers
Developments of Heat Stabilizers
Market Estimate and Forecast
Impact Modifiers
Acrylic Impact Modifiers
Chlorinated Polyethylene and Other Elastomers
Developments in Impact Modifiers
Lubricants
Chemicals Used
Plasticizers
Developments in Plasticizers
PVC Processing Aids
Slip Agents
Surfactants
Thickeners
Thixotropes

UV Stabilizers
Plastic Resistance to UV
Chemical Types of UV Stabilizers
Oxidation Disintegration Initiators

CHAPTER 7 FILLERS AND REINFORCEMENTS

Property Profiles
Characteristics of Fillers and Reinforcements
Filler/Reinforcement Usage with Specific Resins
Reinforcements
Glass Fiber Reinforcements
Carbon Fiber Reinforcements
Carbon Nanotube Reinforcements
Natural Fiber Reinforcements
Nonfibrous Reinforcements
Inorganic Fillers
Alumina Trihydrate
Barium Sulfate
Calcium Carbonate
Calcium Sulfate
Kaolins
Market Estimates and Forecasts

CHAPTER 8 MASTERBATCHES

Overview
Definition
Industry Structure
Market Estimate and Forecast
Some New Developments

CHAPTER 9 MACHINERY AND EQUIPMENT

Selection Criteria
Types of Materials
Types of Compounding Equipment
Batch Mixing Equipment
Continuous Compounding Equipment

Size-Reduction Equipment
Major Compounding Equipment Manufacturers

CHAPTER 10 TYPES OF COMPOUNDERS

Toll Compounding
Custom Compounding
Proprietary Compounding
Concentrate Compounding
Affiliated Compounding and Compounders

CHAPTER 11 INDUSTRY STRUCTURE

Resin Producers
Processors
Important Variables and Considerations
Leading Plastics Processors
Independent Compounders
Trends
Leading Thermoplastic Compounders

CHAPTER 12 COMPANY PROFILES

A. SCHULMAN INC.
AARON INDUSTRIES CORP.
ACLO COMPOUNDERS
ACTON TECHNOLOGIES INC.
ADDIVANT
ADELL PLASTICS INC.
ADVANCED COMPOSITES INC.
AGC CHEMICALS AMERICAS INC.
AM STABILIZERS CORP.
AMCO POLYMERS
AMERICHEM INC.
AMETEK WESTCHESTER PLASTICS
AMPACET CORP.
AMTOPP DIVISION
ASCEND PERFORMANCE MATERIALS LLC
AXIALL CORP.

BASF CORP.
BAY POLYMER CORP.
BIRCH PLASTICS INC.
CHROMA CORP.
CLARIANT INTERNATIONAL LTD., MASTERBATCHES DIVISION
COLORTECH INC.
COVESTRO
DECEUNINCK NORTH AMERICA LLC
THE DOW CHEMICAL CO.
DSM ENGINEERING PLASTICS INC.
DYNEON LLC
E.I. DUPONT DE NEMOURS AND CO.
EMERALD PERFORMANCE MATERIALS LLC
EMS-CHEMIE (NORTH AMERICA) INC.
EXXONMOBIL CHEMICAL CO.
FERRO CORP.
FOSTER CORP.
HERITAGE PLASTICS INC.
INFINITY LTL ENGINEERED COMPOUNDS
INVISTA
KRATON PERFORMANCE POLYMERS INC.
THE LUBRIZOL CORP.
LYONDELLBASELL ADVANCED POLYOLEFINS
MEXICHEM SPECIALTY COMPOUNDS INC.
MRC POLYMERS INC.
MUEHLSTEIN NORTH AMERICA
NOVA POLYMERS INC.
PENN COLOR INC.
PLASTIC RECYCLING TECHNOLOGY INC.
PLASTICOMP INC.
THE PLASTICS GROUP OF AMERICA
PLASTICS PLUS INC.
POLYFIL CORP.
POLYFUSION LLC
POLYMER RESOURCES LTD.
POLYONE CORP.
POLYRAM U.S.A. AND CANADA
RHEIN CHEMIE ADDITIVES
ROSCOM INC.

RTP COMPANY
SABIC INNOVATIVE PLASTICS/LNP
STANDRIDGE COLOR CORP.
TECHMER PM LLC/TECHMER ES
TECHNICAL POLYMERS LLC
TEKNI-PLEX INC.
TEKNOR APEX CO.
THEMIX PLASTICS INC.
VALTRIS SPECIALTY CHEMICALS
WELLMAN ENGINEERING RESINS

CHAPTER 13 APPENDIX: ACRONYMS

List Of Tables

LIST OF TABLES

Summary Table: North American Market Volume for Thermoplastic Compounds, by Type of Compounder, Through 2022

Table 1: North American Market Volume for Commodity Thermoplastic Resin, by Plastic Type, Through 2022

Table 2: North American Market Volume for Commodity Thermoplastic Resin for LDPE, by Type of Compounder, Through 2022

Table 3: North American Market Volume for Commodity Thermoplastic Resin for HDPE, by Type of Compounder, Through 2022

Table 4: North American Market Volume for Commodity Thermoplastic Resin for LLDPE, by Type of Compounder, Through 2022

Table 5: North American Market Volume for Commodity Thermoplastic Resin for Polypropylene, by Type of Compounder, Through 2022

Table 6: Some Typical Rigid PVC Applications

Table 7: Some Typical Flexible PVC Applications

Table 8: North American Market Volume for Commodity Thermoplastic Resin for PVC, by Type of Compounder, Through 2022

Table 9: Fabrication Methods and Some Uses for Polystyrene

Table 10: North American Market Volume for Commodity Thermoplastic Resin for Polystyrene, by Type of Compounder, Through 2022

Table 11: North American Market Volume for Commodity Thermoplastic Resin for Thermoplastic Polyester (PET), by Type of Compounder, Through 2022

Table 12: North American Market Volume for Commodity Thermoplastic Resin for Engineering Thermoplastics, by Type of Compounder, Through 2022

Table 13: Examples of Bioplastics

Table 14: North American Market Volume for Plastics Additives, by Major Types, Through 2022

Table 15: Selected Additive Usage in Thermoplastics

Table 16: North American Market Volume for Plastic Blowing Agents, by Type, Through 2022

Table 17: North American Market Volume for Plastic Flame Retardants, by Type, Through 2022

Table 18: North American Market Volume for Heat Stabilizers, by Chemistry, Through 2022

Table 19: Profiles of Filler/Reinforcement Characteristics

Table 20: Overview of Characteristics and Applications of Fillers/Reinforcements

Table 21: Overview of Filler/Reinforcement Usage with Different Thermoplastics

Table 22: North American Market Volume for Reinforced Plastics Glass Fiber, by Type, Through 2022

Table 23: Global Carbon Fiber Suppliers and Estimated Capacity, 2022

Table 24: Global Market Volume for PAN-Based Carbon Fibers, by Key Markets, Through 2022

Table 25: Global Market for Carbon Nanotube-Reinforced Polymers, by Type, Through 2022

Table 26: Global Market for Natural Fiber-Plastic Composites, by Type, Through 2022

Table 27: North American Market Volume for Plastic Fillers, by Type, Through 2022

Table 28: North American Market Volume for Plastic Masterbatches, by Type, Through 2022

Table 29: Batch Compounding Equipment

Table 30: Major Compounding Equipment Manufacturers

Table 31: Leading Blow Molders

Table 32: Leading Injection Molders

Table 33: Leading Pipe, Profile and Tubing Extruders

Table 34: Leading Film/Sheet Producers

Table 35: Leading Thermoformers

Table 36: Leading Rotational Molders

Table 37: Leading North American Thermoplastic Compounders and Concentrate Producers

List Of Figures

LIST OF FIGURES

Summary Figure: North American Market Volume for Thermoplastic Compounds, by Type of Compounder, 2016-2022

COMPANIES MENTIONED

A. SCHULMAN INC.
AARON INDUSTRIES CORP.
ACLO COMPOUNDERS
ACTON TECHNOLOGIES INC.
ADDIVANT
ADELL PLASTICS INC.
ADVANCED COMPOSITES INC.
AGC CHEMICALS AMERICAS INC.
AM STABILIZERS CORP.
AMCO POLYMERS
AMERICHEM INC.
AMETEK WESTCHESTER PLASTICS
Ampacet Corp.
AMTOPP DIVISION
ASCEND PERFORMANCE MATERIALS LLC
AXIALL CORP.
BASF CORP.
BAY POLYMER CORP.
BIRCH PLASTICS INC.
CHROMA CORP.
CLARIANT INTERNATIONAL LTD., MASTERBATCHES DIVISION
COLORTECH INC.
COVESTRO
DECEUNINCK NORTH AMERICA LLC
DSM ENGINEERING PLASTICS INC.
DYNEON LLC
E.I. DUPONT DE NEMOURS AND CO.
EMERALD PERFORMANCE MATERIALS LLC
EMS-CHEMIE (NORTH AMERICA) INC.
EXXONMOBIL CHEMICAL CO.

FERRO CORP.
FOSTER CORP.
HERITAGE PLASTICS INC.
INFINITY LTL ENGINEERED COMPOUNDS
INVISTA
KRATON PERFORMANCE POLYMERS INC.
LYONDELLBASELL ADVANCED POLYOLEFINS
MEXICHEM SPECIALTY COMPOUNDS INC.
MRC POLYMERS INC.
MUEHLSTEIN NORTH AMERICA
NOVA POLYMERS INC.
PENN COLOR INC.
PLASTIC RECYCLING TECHNOLOGY INC.
PLASTICOMP INC.
PLASTICS PLUS INC.
POLYFIL CORP.
POLYFUSION LLC
POLYMER RESOURCES LTD.
POLYONE CORP.
POLYRAM U.S.A. AND CANADA
RHEIN CHEMIE ADDITIVES
ROSCOM INC.
RTP COMPANY
SABIC INNOVATIVE PLASTICS/LNP
STANDRIDGE COLOR CORP.
TECHMER PM LLC/TECHMER ES
TECHNICAL POLYMERS LLC
TEKNI-PLEX INC.
TEKNOR APEX CO.
THE DOW CHEMICAL CO.
THE LUBRIZOL CORP.
THE PLASTICS GROUP OF AMERICA
THEMIX PLASTICS INC.
VALTRIS SPECIALTY CHEMICALS
WELLMAN ENGINEERING RESINS

I would like to order

Product name: The North American Market for Plastics Compounding

Product link: <https://marketpublishers.com/r/NCDD8452E9CEN.html>

Price: US\$ 1,250.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/NCDD8452E9CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970