



SOLVAY

asking more from chemistry®



Product Portfolio

Polymer
Additives

Advanced Stabilization Solutions for Global Markets

Through technical advances in polymer design and additive technology, plastics continue to replace other materials of construction in even the most demanding applications. Stabilizers help plastics maintain their integrity through compounding, processing, fabrication and end use. They protect critical physical properties and help to prevent color change, surface crazing and gloss loss. UV stabilizers help prevent loss of key properties on exposure to sunlight. Stabilizer technology has played a critical role in the creation of new applications and markets for plastics.

Our Polymer Additives offers a range of technically superior products that enhance the performance of agricultural plastics, automotive interior and exterior parts, durable components for building and construction, displays and electronics, fibers, packaging, photovoltaic panels, rotomolded containers, and a variety of other plastics and coatings applications. Our product portfolio includes:

- CYASORB® CYXTRA® stabilizers
- CYASORB CYNERGY SOLUTIONS® stabilizers
- CYASORB THT® light stabilizers
- CYASORB® light stabilizers
- CYANOX® antioxidants
- CYASTAT® antistatic agents

CYASORB® CYXTRA® stabilizer takes protection a step further by delivering an optimal balance of processing and cost efficiencies with a high degree of performance durability.

CYASORB CYNERGY SOLUTIONS® stabilizers are designed to meet the demanding performance



Greenhouses, tapes and mulch films

requirements of specific plastics and coatings applications, using our innovative technologies and in-depth market expertise. CYASORB® and CYASORB THT® stabilizers and CYANOX® antioxidants are designed to help plastics perform better and last longer. CYASTAT® antistatic agents prevent electrostatic discharge when used topically in a variety of plastics and coatings materials.

What Sets Us Apart?

- Focused approach to customer and market needs
- Products that provide superior performance in demanding environments, cost-effectively and with simplified dosing
- Over sixty years of experience in stabilization
- Global technical support



Automotive Interior



Automotive Exterior

Product Overview

Application Legend:

AGR: Agricultural Film

AUT: Automotive

BC: Building and Construction

INJ: Injection Molding

ROTO: Rotomolding

PV: Solar Panels

PF: Performance Fibers (Polyolefin Fibers, Spandex, etc.)

Product	Function	Application	Chemistry	Physical Form
CYANOX® 1790	Antioxidant	PF/BC/INJ/AUT/AGR	Hindered Phenolic	Powder
CYANOX® 2246	Antioxidant	Other	Hindered Phenolic	Powder
CYANOX® 2777	Antioxidant	PF/BC/INJ/AUT/AGR	Hindered Phenolic/Phosphite	Powder
CYANOX® 425	Antioxidant	Other	Hindered Phenolic	Powder
CYASORB CYNERGY SOLUTIONS® A400	CYNERGY	AGR	Proprietary	Granules
CYASORB CYNERGY SOLUTIONS® A430	CYNERGY	AGR	Proprietary	Granules
CYASORB CYNERGY SOLUTIONS® B877	CYNERGY	BC	Proprietary	Pellets
CYASORB CYNERGY SOLUTIONS® B878T	CYNERGY	BC	Proprietary	CYFLOW®
CYASORB CYNERGY SOLUTIONS® L143-50X	CYNERGY	Coatings	Proprietary	Liquid
CYASORB CYNERGY SOLUTIONS® M535	CYNERGY	Molding	Proprietary	CYFLOW®
CYASORB CYNERGY SOLUTIONS® M528	CYNERGY	Molding	Proprietary	Compacted Granules
CYASORB CYNERGY SOLUTIONS® R333	CYNERGY	ROTO	Proprietary	Pellets
CYASORB CYNERGY SOLUTIONS® R350	CYNERGY	ROTO	Proprietary	Granules
CYASORB CYNERGY SOLUTIONS® V703	CYNERGY	AUT/INJ	Proprietary	Pellets
CYASORB® CYXTRA® V9900	CYXTRA	AUT	Proprietary	CYFLOW®



Performance and specialty fibers



Encapsulant films and back sheets for photovoltaic systems

Product	Function	Application	Chemistry	Physical Form
CYASORB THT® 4611	UV Stabilizer	INJ/ROTO/PIPE/BLOW MOLDING	Proprietary	Pastilles
CYASORB THT® 4801	UV Stabilizer	INJ/ROTO/PIPE/BLOW MOLDING	Proprietary	Pastilles
CYASORB THT® 6435	UV Stabilizer	INJ/ROTO	Proprietary	Pastilles
CYASORB THT® 6460	UV Stabilizer	AGR	Proprietary	Pastilles
CYASORB THT® 7001EF	UV Stabilizer	INJ/BC	Proprietary	Granules
CYASORB® UV-1164	Light Absorber	ALL	Triazine Technology	Powder
CYASORB® UV-1164G	Light Absorber	Coatings, Other	Triazine Technology	Wax
CYASORB® UV-1164L	Light Absorber	Coatings, Other	Triazine Technology	Liquid
CYASORB® UV-24	Light Absorber	ALL	BZP	Powder
CYASORB® UV-2908	UV Stabilizer	ALL	Hindered Benzoate	Powder
CYASORB® UV-3346	UV Stabilizer	ALL	HALS	Pastilles
CYASORB® UV-3529	UV Stabilizer	ALL	HALS	Pastilles
CYASORB® UV-3638F	Light Absorber	PET Fibers, Bottles, Films and PC	Other	Powder
CYASORB® UV-3808PP5	UV Stabilizer	INJ/AUT	Proprietary	Pellets
CYASORB® UV-3853	UV Stabilizer	INJ/AUT	HALS	Wax
CYASORB® UV-3853PE5	UV Stabilizer	INJ/AUT	HALS	Pellets
CYASORB® UV-3853PP4	UV Stabilizer	INJ/AUT	HALS	Pellets
CYASORB® UV-3853PP5	UV Stabilizer	INJ/AUT	HALS	Pellets
CYASORB® UV-3853S	UV Stabilizer	INJ/AUT	HALS	Granules
CYASORB® UV-531	Light Absorber	ALL	BZP	Flake
CYASORB® UV-5411	Light Absorber	ALL	BZT	Powder
CYASORB® UV-9	Light Absorber	ALL	BZP	Powder
CYASTAT® 609	Antistatic Agent	Plastics, Coatings	Ammonium Salt	Liquid
CYASTAT® SN	Antistatic Agent	Plastics, Coatings	Ammonium Salt	Liquid



PP, PE and PA turf for playgrounds and landscaping



TPO Roofing Membranes



CYASORB® CYXTRA® V Series

CYASORB® CYXTRA® V series enables TPOs and CFRP to meet increasingly stringent performance requirements for weatherability, thermal stability and other physical properties but also provides a lower “cost-to-stabilize” benefit. Solvay’s next generation CYASORB® CYXTRA® V Series meets all worldwide automotive UV weathering specifications and surpasses key automotive requirements such as low VOC emission, low fogging, low odor and no interference with paint adhesion.



CYASORB CYNERGY SOLUTIONS® A Series

CYASORB CYNERGY SOLUTIONS® A series products protect polyethylene mulch film and greenhouse film covers during outdoor exposure even when exposed to aggressive agrochemicals like burning sulfur. A series also protects the films during film extrusion and provides enhanced thermal protection to the films during their service life (4 years+ for greenhouse films; 2 years+ for mulch).



CYASORB CYNERGY SOLUTIONS® B Series

CYASORB CYNERGY SOLUTIONS® B series delivers exceptional UV and long-term thermal protection to polyolefins used in outdoor construction applications. B series products can be used in TPO and PP, with or without filler and can also be used in multi-layered membrane. With B series, parts can be painted without blooming and delamination concerns. Applications include TPO roofing membranes, roofing tiles, siding, shutters, decking, fencing and trim.



CYASORB CYNERGY SOLUTIONS® L Series

CYASORB CYNERGY SOLUTIONS® L series addresses the demanding UV requirements of the coating industry. L series products offer extraordinary UV protection and are suitable for use in a variety of applications, including top, clear and base coats, 1K and 2K systems and on plastic or metal substrates. As low viscosity solutions, L series products do not require any premix setup, which can lower operating costs. L series products are for use by automotive OEMs and refinishers, and in general industry applications, ACE and other coating industry segments.



CYASORB CYNERGY SOLUTIONS® R Series

CYASORB CYNERGY SOLUTIONS® R series provides unsurpassed thermal and UV protection to rotomolded PE and PP polyolefin parts to UV 20+. R series products provide a broad processing window, excellent color out of mold and superior resistance to color shift under thermal, NOx or UV exposure. Applications include bulk tanks and containers, outdoor furniture, boats and kayaks and other outdoor leisure equipment. R series is also suited for use in polyolefins that are injection or blow molded and in pipe applications.



CYASORB CYNERGY SOLUTIONS® M Series

CYASORB CYNERGY SOLUTIONS® M series stabilizers ensures good long-term quality protection for general PE injection and blow molded articles at modest loading levels, satisfying the critical performance requirements for injection molded and blow molded durable PE products including crates, boxes, drums, storage and industrial containers, water tanks, toys, trash and roll out carts.



CYASORB CYNERGY SOLUTIONS® V Series

CYASORB CYNERGY SOLUTIONS® V series provides enhanced UV protection to plastics used inside and outside the car. V series products can be used in a variety of polymers, including PP, TPO, TPU, TPE and PE, with or without fillers or glass-reinforced systems. Applications include air management systems, door panels, seat back covers, head/side impact areas, IP skin, top pads and air bag covers, headliners, fender liners and flares, body side molding, cladding and rocker panels, tail light lens, cowl vents and bumper fascia.



Solvay

custinfo@solvay.com
Tel: +1.973.357.3100
Fax: +1.973.357.3100

Polymer Additives

NORTH AMERICA

Technical Service Group

1937 West Main Street
Stamford, CT 06904-0060
Tel: 800-486-5525

U.S. Customer Service

Tel: 888-298-3272
Tel: 800-438-5615
Fax: 855-735-6458

LATIN AMERICA

Argentina

Buenos Aires
Tel: +54-11-4674-2052
Tel: +54-911-4417-5658

do Brasil LTDA

Sa~o Paulo
Tel: +55-11-5033-2828
Fax: +55-11-5033-2821

Chile LTDA

Santiago
Tel: +56-2-560-7971
Fax: +56-2-560-7900

Colombia

Tel: +57-1-615-6272
Tel: +57-310-214-8188

de Mexico S.A. C.V.

Atequiza
Tel: +52-376-737-4110
Toll Free: +01-800-715-4939
Fax: +52-376-737-4105

ASIA/PACIFIC

Australia HID. Pty. LTD.

Baulkham Hills, NSW
Tel: +61-2-9846-6200
Fax: +61-2-9659-9776

Pte. Inc.

Singapore
Tel: +65-6776-0600
Fax: +65-6776-0200

Japan LLC

Tokyo
Tel: +81-3-5512-1401
Fax: +81-3-3593-6680

Korea Inc.

Seoul
Tel: +82-2-6916-1200
Fax: +82-2-6916-1230

Shanghai LTD.

Shanghai
Tel: +86-21-6422-8920
Fax: +86-21-6422-8980

India Specialty Chemicals &

Materials Pvt. LTD

Mumbai
Tel: +91-99-200-35-141

EUROPE

B.V.

The Netherlands
Tel: +31 (0) 10-713-7000
Fax: +31 (0) 10-713-7001

Latvia

Riga, Latvia
Tel: +371-6711-8888

www.solvay.com

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