CYTEC



Polymer Additives Product Portfolio



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.

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

CYASORB CYNERGY SOLUTIONS stabilizers are designed to meet the demanding performance requirements of specific plastics and coatings applications, using Cytec's innovative technologies and in-depth market expertise. Cytec's 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.



Automotive Interior



Greenhouses, tapes and mulch films

What Sets Cytec Apart?

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



Automotive Exterio

Product Overview

Application Legend:

Product

AGR: Agricultural Film AUT: Automotive BC: Building and Construction INJ: Injection Molding

ROTO: Rotomolding PV: Solar Panels PF: Performance Fibers (Polyolefin Fibers, Spandex, etc.)

Function

CYNERGY

AUT/INJ

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 A440P	CYNERGY	AGR	Proprietary	Pellets
CYASORB CYNERGY SOLUTIONS B877	CYNERGY	ВС	Proprietary	Pellets
CYASORB CYNERGY SOLUTIONS L143-50X	CYNERGY	Coatings	Proprietary	Liquid
CYASORB CYNERGY SOLUTIONS R300	CYNERGY	ROTO	Proprietary	Granules
CYASORB CYNERGY SOLUTIONS R315	CYNERGY	ROTO	Proprietary	Granules
CYASORB CYNERGY SOLUTIONS R333	CYNERGY	ROTO	Proprietary	Pellets
CYASORB CYNERGY SOLUTIONS R350	CYNERGY	ROTO	Proprietary	Granules
CYASORB CYNERGY SOLUTIONS S138	CYNERGY	PV	Proprietary	Granules
CYASORB CYNERGY SOLUTIONS V703	CYNERGY	AUT/INJ	Proprietary	Pellets

Application

Chemistry

Proprietary



Performance and specialty fibers

CYASORB CYNERGY SOLUTIONS V-New



Pellets

Physical Form

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-2126	Light Absorber	Other	BZP	Powder
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-416	Light Absorber	Other	BZP	Powder
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
CYASTAT SP	Antistatic Agent	Plastics, Coatings	Ammonium Salt	Liquid



PP, PE and PA turf for playgrounds and landscaping $\,$



TPO Roofing Membranes



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 S Series

CYASORB CYNERGY SOLUTIONS S series provides superior UV and thermal protection to the encapsulants and backsheets that protect the solar cell in photovoltaic applications. For EVA and polyolefin encapsulants, S series enhances long-term thermal and hydrolytic stability, and minimizes haze formation and color shift during service. S series for encapsulants also provides extended UV protection to the module, with a consistent and broad light transmission window for better light capture. For backsheets, S series provides enhanced UV protection for long service life with discoloration resistance.



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.



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