



➤ APPLICATION BULLETIN

Additives and Colorants for Stadium and Arena Seats

Over time arena seats can be susceptible to loss of mechanical properties and color fading due to sun exposure. UV stabilizers help protect polymers from the negative effects of sunlight and preserve aesthetic and mechanical properties. Additionally, some countries have stringent local fire safety standards for arena and stadium seating, which call for plastics with improved flame retardancy properties, achieved with flame retardant additives.

Avient offers complete and flexible solutions to fulfill technical requirements and local standards. Our CESA™ additive solutions include UV stabilizers, UV stabilizer/color combination products, and UV stabilizer/flame retardant/color combination products when flame retardancy is needed. All our solutions for stadium and arena seats are compliant under REACH and RoHS.

UV STABILIZER/COLOR COMBINATIONS

- Combines color and UV stabilization for use in PP and PA
- Ingredients screened with accelerated weather testing*
- Excellent weather resistance properties (against chalking, embrittlement)
- Long-term colorfastness and light stability

UV STABILIZER/FLAME RETARDANT/COLOR COMBINATIONS














- Combines low halogen flame retardants, UV stabilizers and color for use in PP and PA
- Ingredients screened with accelerated weather testing*
- Excellent weather resistance properties (against chalking, embrittlement)
- Compliant with local fire standards (e.g.: AFNOR M 2 in France, DIN 4102 B 2 – B 1 in Germany, UNI 8457 – 9174 C 1 in Italy, BKZ 5.2 in Switzerland, BS 5852.1990 CRIB 3-5 in UK)**
- Standard portfolio available for PP injection molded applications

* Laboratory weathering testing may not be determinative of all conditions of use; the end user must determine suitability of a product for its intended use

** Contact us for more information on regulatory compliance



STANDARD COLOR PORTFOLIO FOR INJECTION MOLDED PP SEATS

COLOR	RAL	REFERENCE	COLOR	RAL	REFERENCE
	1015	Brown/12		6026	Green/14
	1034	Yellow/14		6032	Green/20
	1018	Yellow/19		7004	Grey/21
	1003	Yellow/20		8025	Brown/14
	3020	Red/15		9022	Pearl Grey/1
	5005	Blue/35		9010	White/5
	5000	Blue/36			

Colors may vary from actual color shown. Custom color solutions are also available on request.

Contact your Avient sales representative for product guidance from our experts.

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