

POLYBATCH® AO 25

Product Description

POLYBATCH® AO 25 and AO 25 S are antioxidant masterbatches for the thermal stabilisation of LDPE, HDPE, LLDPE and EVA. They should be added during the extrusion process where high temperatures or long residence times cause degradation, cross-linking, gel formation, carbonised particles and/or loss of mechanical properties.

POLYBATCH® AO 25 : is the preferred stabiliser system for blown film, profile extrusion, etc. where the processing temperature does not exceed 280°C.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Uses	• Masterbatch		
Agency Ratings	• EU 2002/72/EC ¹ • FDA 21 CFR 177.1520	• FDA 21 CFR 177.1520(c) 2.1 • FDA 21 CFR 177.1520(c) 2.2	
Appearance	• Translucent		
Forms	• Pellets		
Processing Method	• Blown Film • Cast Film • Double-Bubble Film	• Extrusion Blow Molding • Pipe Extrusion • Profile Extrusion	• Sheet Extrusion

Physical	Nominal Value (English)	Nominal Value (SI)
Specific Gravity	0.932	0.930 g/cm ³
Bulk Density	34.3 lb/ft ³	550 kg/m ³
Moisture Content	< 1500 ppm	< 1500 ppm

Usage

The addition rate of the POLYBATCH® AO 25 and/or AO 25 S depends on the processing temperature and the residence time of the material in the machine.

Stabilisation improvement: 1 - 2%
 Extrusion of rework: 2 - 3%
 During recycling: 2 - 3%
 Stabilisation over a week-end shut-down: 5 - 10%

Regulatory

FDA: max. 5%
 BGA: max. 5%
 EEC: Section 2 max. 60 mg/kg food, SML = 6 mg/kg

Packaging & Storage

POLYBATCH® AO 25 and/or AO 25 S are packed in 25 kg bags on shrink-wrapped pallets. POLYBATCH® AO 25 and/or AO 25 S can be stored up to maximum 6 months at 25°C for optimum performance. Higher temperatures might reduce storage time considerably.

Notes

¹ Commission Directive 2002/72/EC and its successive amendments up to and including 2009/975/EC.