

IXOM OPERATIONS PTY LTD

ACN 600 546 512



ALKAMIX AND DITIVE MASTERBA

ENGINEERING THERMOPLASTIC

ALKAMIX™ IS A REGISTRED TRADEMARK OF MARPLEX AUSTRALIA PTY. LTD.

ALKAMIX™ MB-UV830

ALKAMIX™ MB-UV-830 is a 10% concentrate of an effective ultra-violet (UV) light stabilizer in polyethylene carrier. The active ingredient is an oligomeric hindered amine light stabilizer (HALS) with low volatility and high resistance to extraction.

ALKAMIX™ MB-UV-830 can be added to polyethylene during extrusion to provide protection against the degradative effects of UV radiation (ie during outdoor weathering). The masterbatch is particularly suitable for addition to polyethylene and polypropylenes. The addition level of MB-UV830 will depend on the desired part lifetime and failure criteria, as well as part thickness, exposure conditions and polymer system under consideration.

> **TYPICAL TESTING VALUES METHODS CONDITIONS UNITS**

1. Physical Properties

Density of Base Resin q/cm3 0.920 **ASTM D3005**

All test results were obtained using uncoloured material. Material Safety Data Sheet (MSDS): Code 30530302

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TYPICAL PROCESSING CONDITIONS

ALKAMIX™ MB-UV830

The following typical guidelines are offered as initial processing conditions for **ALKAMIX™ MB-UV830** In practice, processing parameters may need to be varied to give commercially acceptable performance in conjunction with optimum physical properties. For specific technical advice on part design or processing conditions, contact the Marplex Technical Service Department.

Recommended maximum processing temperature

200°C

Comment(s):

- 1 Cleanliness of the dryer, machine hopper and machine screw/barrel/die head assembly are essential for processing ALKAMIX™ MB-UV830 and producing contamination free product.
- 2 ALKAMIX™ MB-UV830 is intended for processing with polyethylene and may not be compatible with other polymers
- 3 It is recommended that ALKAMIX[™] MB-UV830 is purged from the extruder with polyethylene before machine shutdown.

Conversions: 1 MPa = 145 psi

 $= 10.2 \text{ kg/cm}^2$

= 10 bar

 $^{\circ}C = 5(F-32)/9$

 $1 \text{ kN/cm}^2 = 0.65 \text{ ton/in}^2$