



DAI A INDUSTRY JOINT STOCK COMPANY

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TECHNICAL DATA SHEET PRODUCT NAME: UV MASTERBATCH

PRODUCT GRADE: IM-UV1219KMV.1

General Description

Plastics are sensitive to degradation by UV light and must be therefore protected when exposed to solar radiation. The extent and rate of this degradation is influenced by various parameters such as, for example, climatic conditions, thickness of the part, polymer type or the presence of other additives. Dai A plastics offers a wide range of UV stabilizer masterbatches. These cover applications in agriculture, industrial and food packaging, polymers such as PE, PP, EVA, and range from standard grades to highly performing stabilizer packages based on the latest generation of HALS (Hindered Amine Light Stabilizer).

Technical Analysis

Physical Property

Items	Method of experiment	Unit	Standard
Base carrier			PP
UV Content		wt%	50
Melt Mass - Flow Rate (230°C/2.16kg)	ASTMD1238	g/10mins	71
Density	ASTM D1895	g/cm ³	0.92
Melting Temperature		°C	140-150
Moisture Content	ASTM D570	%	0.03

Properties:

Gives very good UV protection to polyolefin plastics

The active ingredient consists of HALS which gives the most effective light stabilization effect at low dosages

It has no effect on sealability

Can be used in all polyolefin – mainly in thin applications, such as films and tapes

It is especially recommended for applications requiring low volatility and minimal migration

Color stability is over 24 months and upon to the color pigment quality in the part

Compatibility	PP
Processing Technique	Cast or blow film, Calendering, Injection Moulding, Blow moulding
Application Rate	1 – 5 % of the part's weight
Packing	20 kg/bag
Storage	Keep at dry condition

Medical Norm

Attain the Safety Norm for Health and Foodstuff issued by Vietnam Directorate for Standards and Quality allow the decision 3339/2001/QD-BYT promulgated by Vietnam Ministry of Health. Safety apply for handling process. No healthy damage infected.

Important note: The above values are for reference only and should not be used for specification. These values are intended as a general guide and do not represent any warranty or guarantee of particular performance.