



NABYLEX UV.PE.2062

UV MASTERBATCH (HDPE)

Application: Polyethylene products (pipe, sheet, film, fiber,...) to increase their resistance against UV



PROPERTIES

PROPERTY	VALUE	UNIT	TEST METHOD
DENSITY	0.95±0.02	g/cm ³	ISO 1183
UV STABILIZER CONTENT	11.5±0.5	%	-
MFI*	5 ±2	g/10 min	ISO 1133

* test conditions (2.160kg, 190°C)



SPECIFICATIONS

As polyethylene is a weak polymer against sunlight, using appropriate stabilizers for UV protection is recommended for this polymer. Masterbatch UV.PE.2062 contains various types of UV stabilizers, with trade name of Tinuvin, and final concentration of 0.5% of the UV additive can be obtained by adding 4-5 % of this masterbatch to raw polyethylene. Since homogeneity in mixing with raw polyethylene before extrusion has a major role in final efficiency of the UV protection, it is recommended to use mixers with proper efficiencies. It is suggested in the literature that using various types of stabilizers simultaneously has a synergetic effect; these factors have been used in Masterbatch series UV.PE.2062, consequently.



STORAGE CONDITION

Masterbatch bags should be stored far from sunlight.



USAGE CONDITION

It is strongly recommended that the masterbatch mixed with virgin materials before extrusion, in order to observe its positive homogeneity influence on total of the product.

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