



NABYLEX AO.PP.1072

AO MASTERBATCH (PP)

Application: Pipes and sheets of polypropylene to increase OIT and also their resistance against thermal degradation.



PROPERTIES

PROPERTY	VALUE	UNIT	TEST METHOD
DENSITY	0.96 ±0.02	g/cm ³	ISO 1183
ANTI-OXIDANT CONTENT	7± 0.5	%	-
MFI*	6±1	g/10 min	ISO 1133

* test conditions (2.160kg, 230°C)



SPECIFICATIONS

As PP is a weak polymer against mechanical stress and heat, using thermal stabilizers increases PP resistance against oxidation and high temperatures. Masterbatch AO.PP.1072 contains stabilizers type 1 and 2 and acid scavenger which can enhance OIT of the PP well. Since homogeneity in mixing of the masterbatch with raw PP before extrusion plays an important role on the final efficiency of the product, it is recommended to use efficient mixers. It is also suggested in literatures that using mix of thermal stabilizers simultaneously has a synergistic effect, so a mix thermal stabilizers have been used in the AO.PP.1072 masterbatch. Another advantage of this masterbatch is its high distribution mixing of the stabilizers and their repeatability.



STORAGE CONDITION

Masterbatch bags must be stored far from sunlight and humidity.



USAGE CONDITION

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