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NUCLEATING AGENT

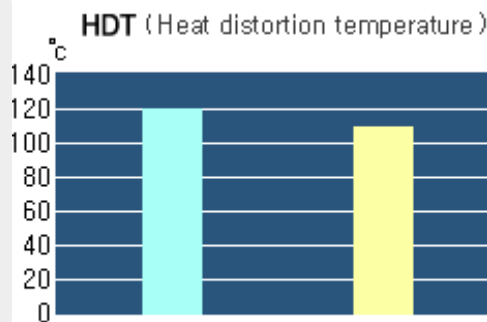
It is an additive that improves transparency by means of enhanced transmission of visible light through formation of homogeneous micro crystals when resin crystallizes in a molten state, and improves heat resistance and mechanical properties through elevated degree of crystallization. Adding our product, NU500, into general PP resin, which can be achieved the effect of higher transparency as well as improved mechanical properties, and reduce the cycle time of injection molding by higher crystallization speed. Fda NO. CFR21-178.3295

Name	Chemical Name	Appearance	Application (Plastic)	Dosage (%)	Uses
NU500	Bis (p-methyl benzylidene)Sorbitol	White powder	-Clarifying agent for polyolefin and mainly polypropylene - Mechanical property improver for polyolefin and mainly polypropylene (Stiffness, Flexural modulus, Heat Distortion Temp)	0.2~0.3	-General container for food -Transparent article -Heat resistance PP container - Stationery - CD case - Disposable syringe



■ NU500 added

■ Blank



■ NU500 added

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■Nucleating master batch for improving physical properties of polypropylene (PP)It is the product that has been pelletized by mixing nucleating agent into PP resin in high concentration so that nucleating agent can be easily mixed with common PP pellet. Upon its addition it exhibits excellent dispersion, improves dimensional stability in injection molding. And also the effects of higher flexural strength, higher thermal distortion temperature and improved transparency can be obtained comparing with common PP.

Name	Carrier resin	Dosage (%)	Final application
NU500PP	Homo PP	4~8 %	Injection molding, High transparent Sheet
NU500CPP	Random PP	4~8 %	Injection molding, Sheet

1. NUCLEATING AGENT

Code	Type	CAS NO. / FDA	Application	Dosage
NU500	White powder	54686-97-4 /CFR21-178.3295	*improving clarity *Improving mechanical properties (Hardness, Flexibility etc)	0.3%
NU500P	white powder	54686-97-4 /CFR21-178.3295	*improving clarity *improving mechanical properties (Hardness, Flexibility etc) *For masterbatch	0.3%

2. Anti static agent

Code	Type	CAS NO. / FDA	Appearance	Dosage
NSE	white pallet	70955-14-5 /CFR21-178.3130	PS, ABS, SAN	0.5 ~ 1%
ASN	light yellow pallet	52497-24-2 /CFR21-178.3130	BOPP, CPP printing film, food package	0.4 ~ 1%
ASMS200	light yellow pallet	26635-92-7 /CFR21-178.3130	BOPP PP sheet, PP extrusion, film	0.5 ~ 0.7%
ASK108	light yellow pallet	52497-24-2 /CFR21-178.3130	BOPP, CPP prnting film	0.1 ~ 0.3%
AS601	light yellow pallet	70955-14-5 /CFR21-178.3130	BOPP, CPP printing film	AS 601 : AS 603 = 1 : 3> 0.35 ~ 0.5%
AS-6 AS603	light yellow liquid	26635-92-7 CFR21-178.3130		
ASK601	light yellow pallet	70955-14-5 /CFR21-178.3130	PP film, sheet	0.5 ~ 0.7%
ASK601H	light yellow pallet	70955-14-5 CFR21-178.3130	HDPE	0.5 ~ 1%
AST	white powder	31566-31-1 /CFR21-184.1324	extrusion	0.5 ~ 1%
AS700S	light yellow pallet	26635-92-7 CFR21-178.3130	PP, PE sheet, film	0.1 ~ 0.3%
AS700L	light yellow liquid	61791-14-8 /CFR21-178.3130	for PP, PE Anti-fouling processing	0.3~0.5% 0.1~0.2%

■ NU500

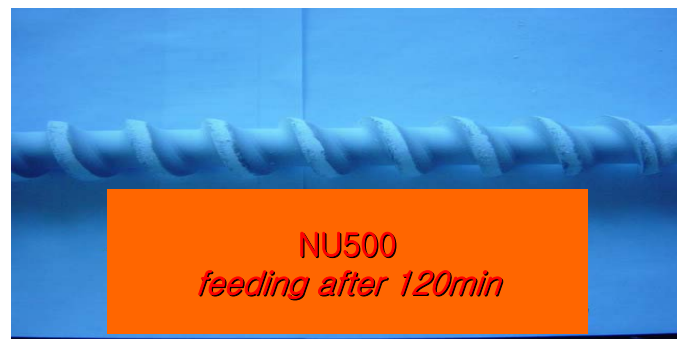
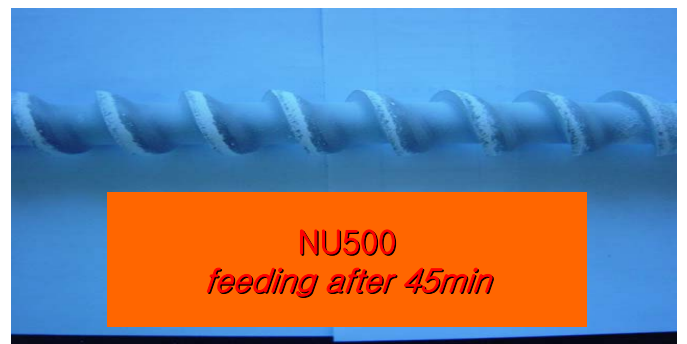
Clarifying



Without NU500

With NU500

Feeding Test (Feeding Screw)



Other Nucleating Agent (Stuffing)

NU500 Dongbo (Smooth Feeding)