

DN-310

Description

DN-310 has higher biological applicability and heat stability. It is nontoxic, tasteless, and no odor will be created during its processing. It is especially applicable to high class polypropylene products, including medical supplies, food packages, cosmetic packages, and so on.

Chemical name 1,3:2,4-Bis(3,4-dimethylbenzylideno) sorbitol

Structure $C_{24}H_{30}O_6$

Appearance Fine, white powder

Specifications

Moisture	%	Max 1.0
Melting Point	°C	250~260
Particle Size d(1.0)	μm	Max 50.0

Application

DN-310 is very suitable for high transparency polypropylene. It is mainly used to produce high transparency cups, bowls, pots, boxes and Lock lunch boxes etc. It can also be used to produce high transparency plastic polypropylene products of stationeries, ball point pen refills and daily use transparent storage cases etc. Various kinds of packages and polypropylene transparent sheets, as well as medical instruments like disposable infusion sets, disposable syringes and disposable injectors.

Handling

Packaging Three-in-one compound bag , PE inner liner, 10 kg net
Storage Cool, Dry and well ventilated area at room temperature

FDA Approval

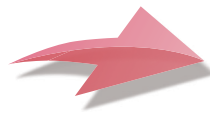
As specified for client, for compliance with the Food and Drug Administration Regulations for polypropylene copolymer used in contact with food.(As specified FDA 21 CFR 177.1520 and FDA 21 CFR 178.3295)

* For additional handling and toxicological information, consult the DOOBON Material Safety Data Sheet.

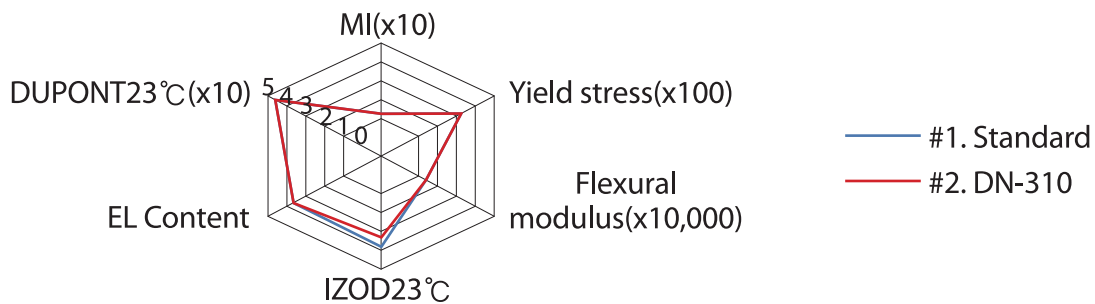
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None sticky problem due to nucleating agent



Comparative test of properties



	unit	Standard	DN-310
MI	g/10min	17.6	17.3
Yield stress	kg _f /cm ²	328	328
Flexural modulus	kg _f /cm ²	13,000	13,000
IZOD23°C	kg.cm/cm	3.8	3.5
EL content	wt%	3.6	3.7
DUPONT23°C	kg.cm	45	45

Comparative Haze test

HAZE @210°C (1T and 2T)
Standard ≥ DN-310

HAZE @230°C (1T and 2T)
Standard > DN-310

Sensorial examination Odour and Taste Test

	DN-310
Sensorial examination Odour and Taste Test	PASS