

CELLULOSE ESTERS

General Properties

Cellulose esters are thermoplastic resins partially made from renewable vegetal resources and are poorly biodegradable.

Cellulose esters can be processed on standard equipments.

NaturePlast

The natural evolution of plastic

Applications

Processing: injection molding.

Markets: cosmetics, horticulture, medical, technical parts...

Properties

- Transparent.
- Processing easiness in injection molding.
- Good thermal and mechanical properties.

Grade	Properties	Density	Plasticizer content (%)	Optical property	Tensile Modulus (MPa)	Tensile elongation at break (%)	Notched Izod impact strenght (J/m)	HDT - A (°C)
Test ASTM		D 792			D 790	D 638	D 256	D 648
<i>Injection</i>								
ACI 001	Standard	1,20	12	transparent	1448	45	416	75
ACI 002	Standard	1,27	29	transparent	1931	30	203	68
<i>Compounding</i>								
ACP 001	Not plasticized powder	1,31	0	/	/	/	/	/