

Product name : **Rubberplast Bio-TPE 1000**

Product description : **Rubberplast Bio-TPE 1000** is thermoplastic elastomer made from compounding of petroleum-based plastics (PP,PE) with biobased natural rubber .

**Rubberplast Bio-TPE 1000** can be custom made to meet specific requirements of the customer by varying the compositions of plastic and natural rubber. The degree of hardness (Durometer hardness) varies from soft to hard.

Applications : **Rubberplast Bio-TPE 1000** is available in resin for injection molding, resin for extrusion, resin or sheet for thermoforming and resin for blown film.

Typical products : injection molded parts, tool handles, extruded parts, thermoformed items.

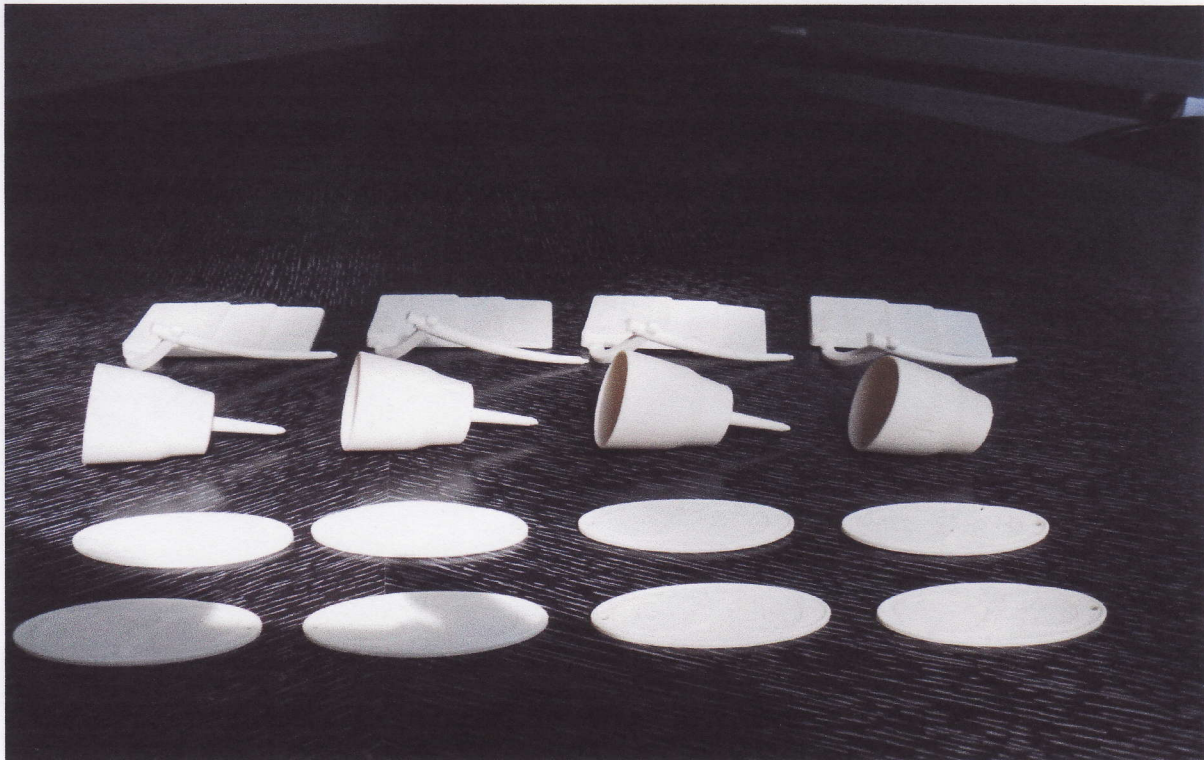
Biobased content : depending on natural rubber content, average 40-60%

<u>Specifications range :</u>	Durometer Hardness (Shore A)	80-95	
	Tensile Strength at Break (MPa)	5-19	ASTM D412
	Elongation at Break (%)	300-500	ASTM D412
	Melt Flow Index (g/10 min at 230 C/2.16 kg)	0.2- 15	ASTM D1238

Standard packing unit : Resins 25 Kg. bag  
Rolled sheet 50 kg./roll

Storage condition : Can be stored at normal room temperature.

Color specification : Standard color is white. Master batch color can be added by customer.



Samples of injection molded **Rubberplast Bio-TPE 1000**

Product name : **Rubberplast Bio-TPE 2000**

Product description : **Rubberplast Bio-TPE 2000** is thermoplastic elastomer made from compounding of bioplastics (PLA,PBS) with biobased natural rubber. **Rubberplast Bio-TPE 2000** can be custom made to meet specific requirements of customer.  
The degree of hardness (Durometer hardness) varies from soft to hard.

Applications : **Rubberplast Bio-TPE 2000** is available in resin for blown film, resin for Injection molding, resin or sheet for thermoforming and resin for extrusion molding.

Typical products : mulch film, stationeries, folders, displayed sheets, injection molded parts

Biobased content : more than 90%

<u>Specifications (average) :</u>	Specific gravity	0.992 g/cm <sup>3</sup>	ASTM D792
	Tensile Strength at Break (MPa)	14	ASTM D638
	Elongation at Break (%)	381	ASTM D638
	Young's Modulus (MPa)	335	ASTM D638

Standard packing unit : Resin 25 kg. bag  
Rolled sheet 50 kg./roll

Storage condition : Can be stored at normal room temperature. Avoid high humidity.

Standard color : Standard color is white. Color master batch can be added by customer.



Stationeries made from injection molding and thermoforming of **Rubberplast Bio-TPE 2000**