T 31 SE

T 31 SE is a polypropylene homopolymer particularly suited for clear and pigmented thennoforming applications.

T 31 SE offers high stiffness, excellent processability, good contact clarity and high gloss.

T 31 SE is increasingly used for the extrusion of sheet for thermoforming.

The main applications are vending cups, blister packs, packaging for dairy products, trays for biscuits, chocolates and fruits.

T 31 SE is also used for coextruded multilayer sheet with high barrier properties to produce retortable containers.

In thermoforming, polypropylene offers some distinct advantages over conventional materials like PVC and PS.

Polypropylene gives extensive food contact credentials, a good toughness-stiffness balance and excellent high temperature and chemical resistance.

Moreover, polypropylene offers easy recycling and is environmentally sound.

PROPERTIES (See notes overleaf)		METHOD (b)	UNIT	
Melt Flow Rate (230 °C 2.16 kg)	(1)	ASTM D 1238L	Dg/min	3.2
Density	(2)	ASTM D 1505	g/cm^3	0.9
Flexural modulus	(3)	ASTM D 790	N/mm^2	1650
Tensile strength at yield	(3)	ASTM D 638	N/mm^2	36
Elongation at yield	(3)	ASTM D 638	%	11
IZOD Impact Strength (notched) at 23°C	(3)	ASTM D 256	j/m	50
Rockwell Hardness	(3)	ASTM D 785	R scale	105
Vicat softening point (10N)	(3)	ASTM D 1525	°C	156
HDT (0.46 N/mm^2)	(3)	ASTM D 648	°C	114
Haze	(4)	ASTM D 1003	%	35
Gloss (45°)	(4)	ASTM D 523	%	63
Accelerated oven ageing air (forced circulation) at 150°C		ASTM D 3012	hours	360

T 31 SE is suitable for food contact. (5)

1) Measured at230°C under a load of 2.160 kg, with a standard nozzle having a diameter of 2.095 mm.

2) Average nominal value referred to a tensile injection mo';ded specimen, type I (ASTM D 638).

3) Typical mechanical property values measured on standard specimens, injection moulded under conditions designed to minimise orientation and in-moulded stresses and in line with the conditions generaly used by industrial converters. Specimens are concitioned at room temperature (ASTM D618 - Procedure A).

4) The compositon of the product complies with the regulations in force in major European countries concerning polypropylene resins for use in food contact applications. Further details can be supplied on request.