

## NAME: Z30G

### Product Description:

Z30G is a high flow homopolymer for injection moulding and compounding applications.

Z30G exhibits a high stiffness and an outstanding process ability for shorter cycle times and easy mould filling.

The product is suitable for, injection moulding applications such as thin-walled containers and other general purpose packaging items, toys, vacuum flasks, household and kitchen articles.

Z30G also is an excellent polymer base for compounding and master batches.

### Typical Data: (Table)

PROPERTIES	METHOD	UNIT	VALUE
Melt Flow Rate (230°C, 2.16 kg)	ASTM D 1238L	dg/min	25
Density	ASTM D 1505	g/cm <sup>3</sup>	0.9
Flexural Modulus i	ASTM D 790	N/mm <sup>1</sup>	1500
Tensile Strength at yield	ASTM D 638	N/mm <sup>2</sup>	32
Elongation at yield	ASTM D 638	%	13
IZOD Impact Strength (notched) at 23°C	ASTM D 256	J/m	30
Rockwell Hardness	ASTM D 785	R scale	100
Vicat softening point (10N)	ASTM D 1525	QC	152
HDT (0.46 N/mmJ)	ASTM D 648	°C	94
Accelerated oven ageing in air (forced circulation) at 150°C	ASTM D 3012	hours	360

Z30G is suitable for food contact.

Measured at 230°C, under a load of 2.160 kg., with a standard nozzle having a diameter of 2.095 mm. Average nominal value referred to a tensile injection molded specimen, type I {ASTM D 638}.

Typical mechanical property values measured on standard specimens, injection molded under Specimens are conditioned at room temperature (ASTM D 618 - Procedure A.)

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