Z 30 G

Z 30 G is a high flow homopolymer for injection moulding and compounding applications.

Z 30 G exhibits a high stiffness and an outstanding processability 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. Z 30 G also is an excellent polymer base for compounding and master batches.

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PROPERTIES (See notes overleaf)		METHOD (b)	UNIT	
Melt Flow Rate (230 °C 2.16 kg)	(1)	ASTM D 1238L	Dg/min	25
Density	(2)	ASTM D 1505	g/cm^3	0.9
Flexural modulus	(3)	ASTM D 790	N/mm^2	1500
Tensile strength at yield	(3)	ASTM D 638	N/mm^2	32
Elongation at yield	(3)	ASTM D 638	%	13
IZOD Impact Strength (notched) at 23°C	(3)	ASTM D 256	j/m	30
Rockwell Hardness	(3)	ASTM D 785	R scale	100
Vicat softening point (10N)	(3)	ASTM D 1525	°C	152
HDT (0.46 N/mm^2)	(3)	ASTM D 648	°C	94
Accelerated oven ageing air (forced circulation) at 150°C		ASTM D 3012	hours	360

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 conditioned at room temperature (ASTM D618 - Procedure A).

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