Technical Data Sheet

Product Description

PP Z30G

Moplen Z30G is a high flow homopolymer for injection moulding and compounding applications.
Moplen Z30G 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. Z30G also is an excellent polymer base for compounding and master batches.

Characteristic	*Typical value*	*Unit*	*Test method*
Density	0.9	g/cm3	ASTM D 1505
Melt flow index (230°C/2.16kg)	25	Dgr/min	ASTM D1238L
Flexural modulus	1500	N/mm^2	ASTM D 790
Tensile strength at yield	32	N/mm^2	ASTM D638
Elongation at yield	13	%	ASTM D638
IZOD impact strength(notched) at 23°C	30	j/m	ASTM D256
Rockwel Hardness	100	R scale	ASTM D 785
Vicat softening point(10N)	152	°C	ASTM D 1525
HDT(0.46 N/mm^2)	94	°C	ASTM D 648
Accelerated oven ageing in air(forced circulation) at 150 °C	360	Hours	ASTM D3012

Notes: Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data is accumulated.

1. Measured at230 oC 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 molded specimen, type l (ASTM D 638)

3. Typical mechanical property values measured on standard specimens, injection moulded under conditions designed to minimize 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 composition of the product complies with FDA norms and the regulations in force in major Europen countries concering polypropylene resins for use in food contact applications.Further details can be supplied on request.

Producer Marun Petrochemical Co.