

T 30 G

T 30 G is a polypropylene homopolymer for injection moulding applications.

T 30 G combines high stiffness and fairly good impact strength with good processability. The grade is suitable for a wide range of applications such as housewares, caps, closures, small containers, toys, parts for small appliances and components for the automotive industry.

PROPERTIES	METHOD (b)	UNIT	TYPICAL VALUE (a)
Physical properties			
Melt flow rate (230°C, 2.16 kg)	ISO 1133	Dg / min	3.2
Density	ISO 1183	g/cm ³	0.9
Mechanical properties			
Flexural modulus	ISO 178	N/mm ²	1450
Tensile strength yield	ISO R 527	N/mm ²	34
Elongation at yield	ISO R 527	%	13
IZOD impact strength (notched) at 23°C	ISO 180	kJ/m ²	5
Hardness Shore D	ISO 868	Points	71
Thermal properties			
Vicat softening point (9.8 N)	ISO 306/A	°C	155
H.D.T. (0.46 Mpa)	ISO 75/B	°C	110
Accelerated oven ageing in air (forced circulation) at 150°C	ISO 4577	hours	360

● T 30 G is suitable for food contact.

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

b) ISO test methods are the latest under the society's current procedures.

All specimens are prepared by injection moulding.



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

Address:

No. 3, Taban St.
Vali-e-Asr Ave.
Tehran - IRAN

Tel:

(+98 21)82122700

Fax:

(+98 21)8867 4126-27

Web-site:

www.arpc.ir

E-mail:

Sales@arpc-ir.net

Polypropylene

Moplen HP500J (Injection Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	3
Flexural Modulus	D790	Mpa	1350
Notched Izod Impact@23°C	D256	J/m	35
Tensile Strength@Yield	D638	Mpa	35
Elongation@Yield	D638	%	12
Vicat Softening Point,10N	D1525	°C	156
HDT(0.46N/mm ²)	D648	°C	94
Rockwell Hardness	D785	R.Scale	102
Oven Aging@150°C	D3012	Hours	360

➤ Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

Moplen HP500J is a polypropylene homo-polymer for injection moulding applications.

Moplen HP500J combines high stiffness & fairly good impact strength with good process ability.

The grade is suitable for a wide range of applications such as house wares, caps, closures, small containers, toys ,parts for small appliances & components for the automotive industry.

Moplen HP500J is also used for compounding.

* Moplen HP500J is suitable for food contact.