



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

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Polypropylene

Moplen T50G (Injection Mouldings)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	3
Flexural Modulus	D790	Mpa	1500
Notched Izod Impact@23°C	D256	J/m	45
Tensile Strength@Yield	D638	Mpa	36
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	153
HDT(0.46N/mm ²)	D648	°C	95
Oven Aging@150°C	D3012	Hours	1500

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

❖ Main application & Characteristics:

Moplen T50G is a heat and detergent resistant polypropylene homo-polymer. The product is designed for injection moulding items which are subject to severe environmental conditions.

Moplen T50G offers good process ability by injection molding.

Finished items produced with **Moplen T50G** show a good balance of stiffness and impact strength.

Moplen T50G is formulated with a very effective heat and detergent stabilization package for both dry and wet environment. The product also shows a high resistance to solvents and chemicals. Because of these properties, it is particularly suitable for injection molding automotive under-the-hood applications and components for small household appliances such as irons, coffee machines, hair dryers and toasters. Other typical applications are technical items such as parts for dish washers, washing machines and refrigerators, chain links for conveyor belts and textile bobbins.

* **Moplen T50G** is suitable for food contact.