



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 HP522H (BOPP Film)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	1.8
Flexural Modulus	D790	Mpa	1450
Notched Izod Impact@23°C	D256	J/m	55
Tensile Strength@Yield	D638	Mpa	35
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	152
HDT(0.46N/mm ²)	D648	°C	92
Rockwell Hardness	D785	R.Scale	90
Oven Aging@150°C	D3012	Hours	360

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

❖ Main application & Characteristics:

Moplen HP522H is a polypropylene homo-polymer for the production of biaxially oriented polypropylene films. The product is particularly suitable for metallization, both as monolayer film & in co-extruded structures.

Moplen HP522H has been designed to provide a very stable extrusion on stenter lines & to give excellent thickness control, increased draw ability & readiness to a two way orientation.

Moplen HP522H contains a reinforced processing stabilisation but does not contain any slip or anti blocking agents. The product features low water carry-over properties & is therefore also suitable for tubular BOPP. BOPP films produced with **Moplen HP522H** features good mechanical properties, high impact strength & puncture resistance, even at low temperatures. The films form an excellent barrier against moisture, odours, oils, fats & oxidation & feature good optical properties. Monolayer or co-extruded films made of **Moplen HP522H** with a thickness ranging from 20 to 40 µm are used for the packaging of foodstuffs, cosmetics & videocassettes. Metallized BOPP films made with **Moplen HP522H** are also suitable for lamination to other flexible films.

* **Moplen HP522H** is suitable for food contact.