



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

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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 HP501D (Extrusion Thermoforming)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	0.7
Flexural Modulus	D790	Mpa	1400
Notched Izod Impact@23°C	D256	J/m	150
Tensile Strength@Yield	D638	Mpa	35
Elongation@Yield	D638	%	12
Vicat Softening Point, 10N	D1525	°C	154
HDT(0.46N/mm ²)	D648	°C	91
Rockwell Hardness	D785	R.Scale	100
Oven Aging@150°C	D3012	Hours	360

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

❖ Main application & Characteristics:

Moplen HP501D is a homo-polymer particularly suitable for extrusion.

Moplen HP501D combines excellent process ability with an outstanding mechanical properties balance. Moplen HP501D is well suited for technical extrusion for strapping, sheet, profiles and small diameter pipes such as profiles for ball pens.

Another typical application of Moplen HP501D is the extrusion of nets for various purposes and end-uses, for instance nets for olive harvesting or for the packaging of salami's and hams.

Moplen HP501D is also appropriate for blow moulding small and medium sized containers.

* Moplen HP501D is suitable for food contact.