



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 D50S (Extrusion & sheet)

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	0.3
Flexural Modulus	D790	Mpa	1400
Notched Izod Impact@23°C	D256	J/m	110
Tensile Strength@Yield	D638	Mpa	33
Elongation@Yield	D638	%	13
Vicat Softening Point, 10N	D1525	°C	152
HDT(0.46N/mm ²)	D648	°C	90
Rockwell Hardness	D785	R.Scale	82
Oven Aging@150°C	D3012	Hours	1500

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

❖ Main application & Characteristics:

Moplen D50S is a homo-polymer with a high molecular weight and outstanding mechanical properties. The product shows excellent process ability in extrusion applications and exhibits excellent long-term heat aging resistance.

Moplen D50S is well suited for technical extrusion applications that require both high stiffness and high impact resistance.

Typical applications include the extrusion of thick, heavy sheet for industrial applications, strapping, tubes, profiles and pipes.

Moplen D50S is also used for the extrusion of thin sheet for thermoforming dairy tubs and other food packaging.

Extrusion blow moulded small containers and technical parts are other typical applications of **Moplen D50S**.

Moplen D50S is also appropriate for injection moulding wheels, fittings and high performance industrial components.

* **Moplen D50S** is suitable for food contact.