R.P.C
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 homo-polymer

Moplen HP552R

Typical properties	Test method (ASTM)	Unit	Value
MFR @230°C, 2.16 kg	D1238/L	gr/10min	25
Flexural Modulus	D790	MPa	1500
Notched Izod Impact@23°C	D256	J/m	30
Tensile Strength@Yield	D638	MPa	32
Elongation@Yield	D638	%	13
Vicat Softening Point,10N	D1525	°C	152
HDT(0.46N/mm²)	D648	°C	94
Rockwell Hardness	D785	R Scale	100
Oven Aging@150°C	D3012	Hours	150

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

❖ Main application & Characteristics:

Moplen HP552R is a high melt flow homo-polymer polypropylene for the production of CF, BCF and staple fibres at medium to high spinning speeds.

Moplen HP552R with an excellent anti-gas fading package offers a high homogeneity, stable extrusion and excellent processability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibres.

Moplen HP552R is suitable for low denier staple fibres for non-woven fabrics, diapers, medical-sanitary applications and wipes.

Another typical application is high tenacity continues filament for straps for backpacks, handles for big bags and safety belts.

Continues filament with high tenacity is used for upholstery, sportswear and heavy duty clothing.

Moplen HP552R is also suited for the production of bulked continues filament for thermobonding and carpet face yarns.

* Moplen HP552R is suitable for food contact.