

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/mm ²) | 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.