# Jampilen HP552R
## Homopolymer

**Description:**

"Jampilen HP552R" is a high melt flow homopolymer for the production of CF, BCF and fine denier staple fibers at medium to high spinning speeds and exhibits excellent antigasfading properties.

"Jampilen HP552R" is suitable for nonwoven fabrics for diapers, medical-sanitary applications and wipes. Another typical application is high tenacity continuous filament for straps for backpacks, sport bags, bulk bags and safety belts. Continuous filament with medium tenacity is used for upholstery and sportswear. "Jampilen HP552R" is also suited for the production of bulked continuous filament for carpets.
"Jampilen HP552R" is suitable for food contact.

**Processing Method:**

Fiber Extrusion (CF, BCF, staple)

**Features:**

High melt flow
Excellent antigasfading properties
Good processability
Homopolymer

**Typical Applications:**

Nonwoven fabrics for diapers, medical-sanitary applications
Wipes and tissues
Straps for backpacks, sport bags, bulk bags and for safety belts
Upholstery and sportswear
Bulk continuous filament for carpets
Nonwoven staple fiber
Hygiene nonwoven

**Approval:**

Food

| TYPICAL PROPERTIES | VALUE | UNIT | METHOD |
|---|---|---|---|
| **Physical** | | | |
| Melt Flow Rate (230 $^{\circ}$C, 2.16kg) | 25 | g/10min | ASTM D1238 |
| Density | 0.9 | g/cm$^3$ | ASTM D1505 |
| **Mechanical** | | | |
| Flexural Modulus | 1500 | MPa | ASTM D790 |
| Tensile Strength at Yield | 32 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 13 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 $^{\circ}$C | 30 | J/m | ASTM D256 |
| Rockwell Hardness | 100 | R Scale | ASTM D785 |
| **Thermal** | | | |
| Vicat softening point (10N) | 152 | $^{\circ}$C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 94 | $^{\circ}$C | ASTM D648 |
| Accelerated oven ageing in air at 150 $^{\circ}$C | 150 | hours | ASTM D3012 |