

## Technical Datasheet HP552R

### 1) Product Description:

HP552R is a high melt flow homo-polymer polypropylene for the production of CF, BCF and staple fibres at medium to high spinning speeds. HP552R with an excellent anti-gas fading package offers a high homogeneity, stable extrusion and excellent process ability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibres.

### 2) Applications:

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 and safety belts. Continues filament with medium tenacity is used for upholstery, sportswear and heavy duty clothing. HP552R is also suited for the production of bulked continues filament for thermo bonding and carpets.

HP552R is suitable for food contact

### 3) Typical data:

| PROPERTY                        | TEST METHOD  | UNIT    | TYPICAL VALUE* |
|---------------------------------|--------------|---------|----------------|
| Melt Flow Rate (230 °C, 2.16kg) | ASTM D1238/L | g/10min | 25             |
| Flexural Modulus                | ASTM D790    | MPa     | 1500           |
| Notched Izod Impact at 23 °C    | ASTM D256    | J/M     | 30             |
| Tensile Strength at Yield       | ASTM D638    | MPa     | 32             |
| Elongation at Yield             | ASTM D638    | %       | 13             |
| Vicat softening point (10N)     | ASTM D1525   | °C      | 152            |
| H.D.T. (0.46N/mm <sup>2</sup> ) | ASTM D648    | °C      | 94             |
| Rockwell Hardness               | ASTM D785    | R Scale | 100            |
| Oven Aging at 150 °C            | ASTM D3012   | Hours   | 150            |

\* Typical values not to be construed as specifications.