

## Technical Data Sheet

### EGYPELENE® FB552R

Polypropylene, Homopolymer

### Product Description

EGYPELENE® FB552R is a polypropylene homopolymer suitable for extrusion applications. EGYPELENE™ FB552R is designed for the production of continuous filaments (CF), bulk continuous filaments (BCF) and fine denier staple fibers resulting in excellent nonwoven tensile properties. Typical applications are carpets and nonwovens. Produced with narrow distributed molecular weight polypropylene resins.

Has a special developed anti gas fading formulation to minimize discoloration of fibers.

### Product Characteristics

#### Processing Methods

Continuous filament/spinning, Staple fiber

#### Features

Gas-fading resistant, Reactor grade, Good processability and Good color stability.

#### Typical Customer Applications

Bulk continuous filament, Continuous filament, Hygiene nonwoven, Staple fiber and wipes/tissues.

Typical Properties	Normal Value	Units	Test Methods
<b>Physical</b>			
Melt flow	25	g/10 min	ISO 1133
Density	0.9	g/cc	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	1300	Mpa	ISO 178
Tensile Stress at Break, (23 °C, 50mm/min)	20	Mpa	ISO 527
Tensile Stress at Yield, (23 °C, 50mm/min)	32	Mpa	ISO 527
Tensile Strain at Yield, (23 °C, 50mm/min)	11	%	ISO 527
<b>Thermal</b>			
Vicat Softening Temperature	153	°C	ISO 306

### Regulatory Information

Egyptian Propylene & Polypropylene certify that the above product is in compliance with the USA FDA code of Federal Regulations (CFR 21) section 177.1520 (C) 1.1 and is suitable for use in articles that contact food also is in compliance with the EU Regulation 10/2011 as amended.

### Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally. In addition to any prohibitions of use specifically noted in this document, EPP may further prohibit or restrict the sale of its products into certain applications. For further information, please contact Egyptian Propylene & Polypropylene at [info@epp-eg.com](mailto:info@epp-eg.com)