



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
Physical			
Melt flow	25	g/10 min	ISO 1133
Density	0.9	g/cc	ISO 1183
Mechanical			
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
Thermal			
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.

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