

# HB 2552 FC

Technical Data Sheet  
Polypropylene, Homopolymer



## Product Description

HB 2552 FC is a polypropylene homopolymer with narrow MWD suitable for extrusion applications. HB 2552 FC is formulated with an anti-gasfading (AGF) stabilisation package. HB 2552 FC is used for the production of (bulk) continuous filaments and fine denier staple fibres.

Typical applications is carpets.  
HB 2552 FC is non-phthalate grade. This product is suitable for food contact.

## Product Characteristics

Application	Bulk Continuous Filament, Continuous Filament, Filament Yarn
Processing Method	Continuous Filament / Spinning, Fibers, Staple Fiber
Market	Textile
Features	Gas-fading Resistant. High Flow. Narrow MWD. Phthalate Free. Phthalate-Free

## Typical Properties

	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate (230°C/2.16kg)	25	g/10 min	ISO 1133
<b>Mechanical</b>			
Flexural modulus (2 mm/min)	1350	MPa	ISO 178
Tensile modulus (1 mm/min)	1300	MPa	ISO 527
Tensile Strength at Yield (50 mm/min)	34	MPa	ISO 527
Elongation at Yield (50 mm/min)	10	%	ISO 527
<b>Impact</b>			
Charpy Impact Strength (Notched, 23°C)	3.0	kJ/m <sup>2</sup>	ISO 179
Izod Impact Strength (Notched, 23°C)	2.5	kJ/m <sup>2</sup>	ISO 180
<b>Thermal</b>			
Vicat Softening Temperature (10N)	153	°C	ISO 306
Heat Deflection Temperature (0.45 MPa)	90	°C	ISO 75B

## Notes

These are typical property values not to be construed as specification limits

## REACH

Polypropylene are exempted from registration under REACH. However, the corresponding monomers (used as raw materials for polymer production) and relevant additives have been registered. Please see related Declaration of Compliance for Plastic Food Contact Materials (DoC for PFCM).

## Packaging

Polypropylene pellets is typically packed in polyethylene bags with net weight of 25kg each. 50 bags are stacked on a flat wooden pallet (dimensions: 1100mm x 1300mm x 150mm) with net weight of 1250kg per pallet that is stretch-hood film wrapped. Upon agreement with a customer PP pellet can be packed into big bag sized for 1000kg on wooden pallet (dimensions: 1140mm x 1140mm x 150mm) without stretch-hood film wrapping.

## Storage

Polypropylene product packed in 25kg bags or 1000kg big bags stacked on wooden pallet shall be stored in enclosed dry place preventing from direct sunlight at least 1 meter far from heaters, at temperature min. -15°C / max. 35°C, relative humidity max. 80%. Prior to processing PP product bags shall be kept in production area for at least 12 hours.

PP shelf life is 36 months from the date of manufacture.

POLYPROPYLENE HOMOPOLYMER