

Technical Data Sheet

Product Description

FM HPP 552R (Z69S) (Basell license)

HP 552R is a high melt flow homo-polymer used in the production of CF, BCF and staple fibres at medium to high spinning speeds. It exhibits excellent anti-gas-fading properties. HP 552R is suitable for low denier staple fibres for nonwoven fabrics such as diapers, medical-sanitary applications and wipes. It is also suitable for high tenacity continuous filament used in straps for backpacks, sport bags, bulk bags and for safety belts. Continuous filament with medium tenacity can be used for upholstery and sportswear. HP 552R is also suited for bulked continuous filament in carpets.

- This grade is suitable for food contact conform EEC regulation

Characteristic	Typical Value	Unit	Test Method
<i>Mass density (23°C)</i>	0.9	g/cm ³	ISO 1183
<i>MFR (230°C/2.16 kg)</i>	25	g/10min	ISO 1133
<i>Flexural Modulus</i>	1550	N/mm ²	ISO 178
<i>Tensile Strength @ Yield</i>	35	N/mm ²	ISO R 527
<i>Elongation @ Yield</i>	13%	%	ISO R 527
<i>IZOD impact str. (notched) @ 23°C</i>	3	KJ/m ²	ISO 180
<i>Hardness Shore D</i>	72	-	ISO 868
<i>H.D.T (0.46 MPa)</i>	118	°C	ISO 75B
<i>Vicat soft.temp. (9.8 N)</i>	155	°C	ISO 306A
<i>Accelerated oven ageing in air (forced circulation) at 150°C</i>	150	Hour	ISO 4577

Notes: Values shown are averages and are not to be considered as product specification. These values may shift slightly as additional data is accumulated. - ISO test methods are the latest under the society's current procedures. All specimens are prepared by injection-molding.

Handling, Health & Safety

Ensure proper ventilation of the work environment to minimize health and safety hazards from fine particles. Ensure machinery and equipment is properly grounded to prevent sparks that can ignite dust. Molten polymers will cause thermal injuries to organic matter please ensure safety glasses and appropriate safety apparel is worn.

Storage Conditions

Polypropylene products (in pelletized or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet causes a change in the materials properties. The Storage area should be dry and preferably not exceed 50 °C. Under cool, dry, dark conditions polyolefin resins are expected to maintain the original properties for at least 18 month. FM Plastics cannot be held responsible for diminishing qualities due to poor storage conditions, such as; color change, foul smell etc. Generally, it is considered best to process PP resin within 6 months after delivery.

Packing

Polyolefin resins are supplied in pellet form packed in 25kg bags on 1.375 kg pallets.



Bultweg 11
8346 KA De Bult
The Netherlands

Broekslagen 6
8331 TJ Steenwijk
The Netherlands

F: +31 521 52 20 84
T: +31 521 52 00 4

www.fmplastics.nl
info@fmplastics.nl