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Information

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**Sasol Polymers
Polypropylene Business**

MFR 8.5g/10 min

Sasol Polymers PP HMR127

is a medium flow polypropylene homopolymer.

Extrusion:

Sasol Polymers PP HMR127 is specially formulated for processing on both cast and water quenched blown film lines and offers the following properties :

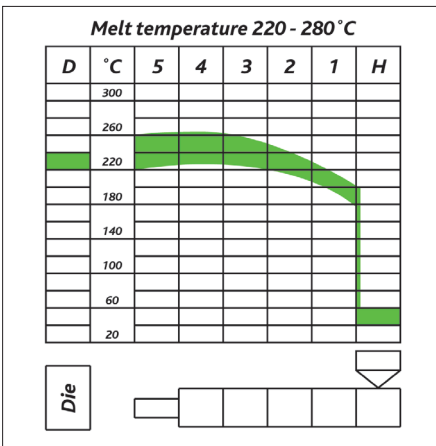
- Very good clarity
- Fast migrating slip agent
- Low tendency to block
- High toughness

Typical applications are:

- Garment packaging
- Flower sleeves
- Food & confectionery packaging

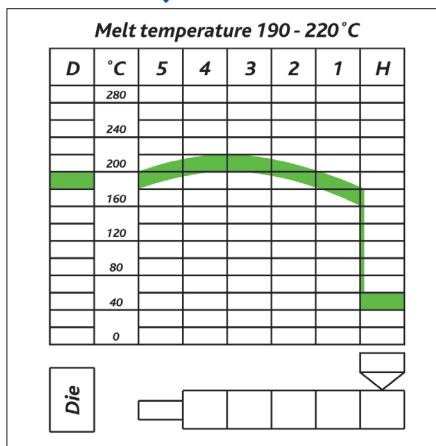
Typical processing temperatures

Cast film extrusion



Cooling water (Chill roll) 15-30°C

Blow film extrusion



Cooling water temperatures 5-15°C



Sasol Polymers PP HMR127

Typical values, not to be construed as specifications.

	VALUE	UNIT	TEST METHOD	
Physical properties				
Melt mass-flow rate - MFR (230/2.16)	8.5	g/10 min	ISO 1133	–
Properties of blown film (50µm Gauge)				
Gloss 20°	100	%	ASTM D523-85	DIN 67530-82
Haze	2.5	%	ASTM 1003	–
Tensile strength at break				
Machine direction	44	N/mm ²	ISO R 527	DIN 53455
Transverse direction	40	N/mm ²	ISO R 527	DIN 53455
Tensile strain at break				
Machine direction	700	%	ISO R 527	DIN 53455
Transverse direction	730	%	ISO R 527	DIN 53455
Dart drop impact resistance F50	300	g	ASTM 1709	–
Coefficient of friction	0.17	–	–	DIN 53375

The figures quoted in the table were determined on film specimens by internal standards. The properties of the film depend considerably on the processing conditions. This must be taken into consideration if the figures are to be compared with those of film produced under different conditions.