

## Technical Datasheet Z30S

### 1) Product Description:

Moplen Z 30S is a high melt flow homopolymer for the production of low denier BCF, CF, and staple fibers at medium to high spinning speeds.

Moplen Z30S offers a high homogeneity, stable extrusion and excellent process ability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibers.

### 2) Applications:

Moplen Z30S is widely used for the production of bulked continuous filament for carpet face yarns. Another major application is the production of high tenacity continuous filament for straps for backpacks, handles for big bags and safety belts.

Continuous filament with medium tenacity is used for upholstery, sportswear and heavy duty clothing.

Moplen Z 30 S is also suitable for the production of low denier staple fibres for thermobonding.

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
M.F.I	ISO 1133	Dg/min	25
Density	ISO 1183	g/cm <sup>3</sup>	0.9
Flexural Modulus	ISO 178	N/mm <sup>2</sup>	1550
Tensile	ISO R527	N/mm <sup>2</sup>	35
Elongation at yield	ISO R527	%	13
Izod Impact strength (notched) at 23°C	ISO 180	KJ/m <sup>2</sup>	3
Hardness shore D	ISO 868	point	72
Vicat softening point (9.8N)	ISO 306/A	°C	155
H.D.T (0.46 Mpa)	ISO 75/B	°C	118

\* Typical values not to be construed as specifications.