



## Moplen HP2833

### Polypropylene, Homopolymer

#### Product Description

Moplen HP2833 is a homopolymer suitable for extrusion and injection moulding applications. This grade is formulated with anti-gas fading stabilization package. Moplen HP2833 is used for production for continuous filaments and staple fibres.

Typical applications are carpet, upholstery, ropes etc.

#### Product Characteristics

<b>Test Method used</b>	ISO
<b>Processing Methods</b>	Continuous Filament/Spinning, Injection Molding, Staple Fibre
<b>Features</b>	Gas-fading Resistant
<b>Typical Customer Applications</b>	Bulk Continuous Filament & Continuous Filament, Furniture, Housewares, Staple Fiber

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	25	g/10 min
Melt volume flow rate (230°C/2.16Kg)	ISO 1133	34	cm <sup>3</sup> /10min
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	32	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	10	%
Flexural modulus	ISO 178	1450	MPa
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	77	°C
Vicat softening temperature	ISO 306		
(B50 (50°C/h 50N))		87	°C
(A50 (50°C/h 10N))		153	°C