



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

Status	Development
Test Method used	ISO
Availability	Europe, Asia-Pacific, Africa-Middle East
Processing Methods	Continuous Filament/Spinning, Injection Molding, Staple Fibre
Features	Gas-fading Resistant
Typical Customer Applications	Bulk Continuous Filament & Continuous Filament, Furniture, Housewares, Staple Fiber

Typical Properties	Method	Value	Unit
Physical			
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 ³ /10min
Mechanical			
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
Thermal			
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

Notes

Typical properties; not to be construed as specifications.