



Moplen HP552N

Polypropylene, Homopolymer

Product Description

Moplen HP552N is used in extrusion applications. It is formulated with an anti-gasfading stabilisation package. Moplen HP552N is used in the production of continuous filaments and fine denier staple fibres. Typical applications are carpets and nonwovens. For regulatory information please refer to Moplen HP552N Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Africa-Middle East
Processing Methods	Continuous Filament/Spinning, Staple Fibre
Features	Homopolymer
Typical Customer Applications	Filament Yarn, Nonwoven Staple Fibres, Staple Fiber

Typical Properties	Method	Value	Unit
Physical			
Melt flow rate (MFR) (230°C/2.16kg)	ISO 1133	13	g/10 min
Mechanical			
Tensile Stress at Break	ISO 527-1, -2	23	N/mm ²
Tensile Stress at Yield	ISO 527-1, -2	34	N/mm ²
Tensile Strain at Break	ISO 527-1, -2	>500	%
Tensile Strain at Yield	ISO 527-1, -2	11	%
Flexural modulus	ISO 178	1400	N/mm ²
Impact			
Charpy unnotched impact strength	ISO 179	210	kJ/m ²
Charpy notched impact strength	ISO 179	8	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	90	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	153	°C
(B50 (50°C/h 50N))		93	°C

Notes

Typical properties; not to be construed as specifications.