Moplen HP462S

Polypropylene, Homopolymer

Product Description

Moplen HP462S is a very narrow Molecular Weight Distribution homopolymer, suitable for extrusion applications. Moplen HP462S is designed for production of continuous filaments. Typical applications are HTY and spunbond nonwoven.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Continuous Filament/Spinning
Features	Controlled Rheology, Gas-fading Resistant, Homopolymer, Narrow Molecular Weight Distribution
Typical Customer Applications	Filament Yarn, Furniture & Buildings, Geotextile & Agriculture, Hygiene Nonwoven, Nonwoven Spunbond, Protective Clothes

Typical Properties	Method	Value	Unit
Physical			
Melt flow rate (MFR)	ISO 1133	36	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1450	MPa
Tensile Stress at Yield	ISO 527-1, -2	34	MPa
Tensile Strain at Break	ISO 527-1, -2	>50	%
Tensile Strain at Yield	ISO 527-1, -2	8	%
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	85	°C
Vicat softening temperature	ISO 306		
(B50 (50°C/h 50N))		90	°C
(A50 (50°C/h 10N))		154	°C

Notes

Typical properties; not to be construed as specifications.