Technical Data Sheet

Moplen RP261S

Polypropylene, Random Copolymer

Product Description

Moplen RP261S is a polypropylene random copolymer used for extrusion applications. *Moplen* RP261S has a very narrow molecular weight distribution and is formulated with an anti-gasfading stabilisation package. *Moplen* RP261S is used for the production of textile filaments with remarkably high softness and outstanding flexibility. Typical application is spunbonded nonwovens.

This grade is not intended for medical and pharmaceutical applications.

Application	Filament Yarn; Hygiene Nonwoven; Nonwovens; Wipes/Tissues
Market	Textile
Processing Method	Continuous Filament/Spinning; Extrusion Coating; Fibers; Spunbond
Attribute	Controlled Rheology; Gas-fading Resistant; Good Flexibility; High Flow; Low Temperature Heat Sealability; Narrow Molecular Weight Distribution; Random Copolymer; Soft

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	30	g/10 min	ISO 1133-1
Density, (23 °C)	0.90	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	800	MPa	ISO 527-1, -2
Tensile Stress at Yield	23	MPa	ISO 527-1, -2
Tensile Strain at Break	650	%	ISO 527-1, -2
Tensile Strain at Yield	14	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A/50)	125	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	65	°C	ISO 75B-1, -2