

Technical Data Sheet

Moplen RP220M



Polypropylene, Random Copolymer

Product Description

Moplen RP220M is a controlled rheology medium modified propylene random copolymer for manufacturing high transparent cast films. It contains no slip or antiblocking agents. It offers good processability, excellent clarity and gloss and exhibits very good heat weldability. Main applications are packaging of foodstuffs, packaging of stationary, shirts and hosiery. It is also suitable for production of stationary folders. *Moplen* RP220M is suitable for food contact.

Application	Food Packaging Film; Stationery Film; Textile Packaging Film
Market	Flexible Packaging
Processing Method	Cast Film
Attribute	Controlled Rheology; Good Processability; High Clarity; High Gloss; Random Copolymer; Weldable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ISO 1133-1
Density	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	700	N/mm ²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	26.0	N/mm ²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	23.0	N/mm ²	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	600	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C, 50 mm/min)	14.0	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	10.0	kJ/m ²	ISO 179-1/1eA
(0 °C, Type 1, Edgewise, Notch A)	3.0	kJ/m ²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (A50)	125	°C	ISO 306
Deflection Temperature Under Load, (0.46 N/mm ²)	60	°C	ISO 75B-1, -2