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Technical Data Sheet

Moplen HP456H

Polypropylene, Homopolymer

Product Description

Moplen HP456H is a polypropylene homopolymer used for extrusion and thermoforming applications. *Moplen* HP456H is formulated with a low water-carry-over additive package. Typical applications are strapping, sheets, monofilaments and tapes.

This grade is not intended for medical and pharmaceutical applications.

Application	Raffia/Tapes/Strapping; Strapping
Market	Textile
Processing Method	Tapes & Raffia
Attribute	Homopolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.8	g/10 min	ISO 1133-1
Density	0.900	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1400	N/mm²	ISO 178
Tensile Stress at Break, (23 °C, 50 mm/min)	23	N/mm²	ISO 527-1, -2
Tensile Stress at Yield, (23 °C, 50 mm/min)	34	N/mm²	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)	11	%	ISO 527-1, -2
Thermal			
Vicat Softening Temperature, (A50)	153	°C	ISO 306
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	90	°C	ISO 75B-1, -2