

# Polypropylene

## HOMOPOLYMER

Physical Properties	Method	Unit Result
Density	ASTM D1505	0.9 g/cm <sup>3</sup>
MI @ 230 °C	ASTM D1238	3.5 g/10min
Tensile Strength @ Yield	ASTM D638	360 Kg/cm <sup>2</sup>
Elongation @ Yield	ASTM D638	10%
Flexural Modulus	ASTM D790B	17000 Kg/cm <sup>2</sup>
Notched Izod Impact Strength @ 230 °C	ASTM D256A	5 Kg.cm/cm
Heat Deflection Temperature @ 4.6 kg/cm <sup>2</sup>	ASTM D648	86 °C
Rockwell Hardness	ASTM D785A	R91
Water Absorption after 24 hours	ASTM D570	0.02%

## CHARACTER

The base resin meets the requirements of the U.S. Food and Drug Administration as specified. In summary, this resin meets the FDA criteria covering safe use of polyolefin articles and component of articles intended for food contact use.

## APPLICATIONS

Slit tape and monofilament for rope, twine, yarn and industrial fabrics.

## ADVANTAGES

Outstanding processability

Maximum bubble processability for slit tape production by tubular process

Good melt stability

Low color

Low taste and odor

## FABRICATION

Equipment – general extrusion machines

Techniques – standard processing for tubular and flat die tapes