

Polypropylene

HOMOPOLYMER

Density 0.9

Melt Index 3

Physical Properties	Method	Unit Result
Density	ASTM D1505	0.9 g/cm ³
MI @ 230 °C	ASTM D1238	3 g/10min
Tensile Strength @ Yield	ASTM D638	370 kg/cm ²
Elongation @ Yield	ASTM D638	12%
Flexural Modulus	ASTM D790B	18000 kg/cm ²
Notched Izod Impact Strength @ 230 °C	ASTM D256A	3.9 kg.cm/cm
Heat Deflection Temperature @ 4.6 kg/cm ²	ASTM D648	95 °C
Rockwell Hardness	ASTM D785A	R 95
Water Absorption after 24 hours	ASTM D570	0.02%

CHARACTER

Polypropylene homopolymer is the base resin meets the requirements of the U.S. Food and Drug Administration as specified.

APPLICATIONS

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

ADVANTAGES

Outstanding processability, maximum bubble stability for slit tape production by the tubular process, good melt stability, low color, low taste and odor, no plate-out problems on die lips or chill rolls, good heat aging stability in yarn and fabric.

FABRICATION

Equipment – general extrusion

Techniques – standard processing for tubular and flat die tapes.