

Polypropylene

HOMOPOLYMER

Density 0.9
Melt Index 7

Physical Properties	Method	Unit Result
Density	ASTM D1505	0.9 g/cm ³
MI @ 230 °C	ASTM D1238	7 g/10min
Tensile Strength @ Yield	ASTM D638	360 Kg/cm ²
Elongation @ Yield	ASTM D638	8%
Flexural Modulus	ASTM D790B	17000 Kg/cm ²
Notched Izod Impact Strength @ 230 °C	ASTM D256A	3 Kg.cm/cm
Heat Deflection Temperature @ 4.6 kg/cm ²	ASTM D648	90 °C
Rockwell Hardness	ASTM D785A	R 93
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

Appliances, housewares, toys, closures, containers, furniture.

ADVANTAGES

Good stiffness.

FABRICATION

Equipment – ram or screw injection machine or general extrusion machine
Techniques – standard processing.