

Polypropylene

HOMOPOLYMER

Density 0.9

Melt Index 14

Physical Properties	Method	Unit Result
Density	ASTM D1505	0.9 g/cm ³
MI @ 230 °C	ASTM D1238	14 g/10min
Tensile Strength @ Yield	ASTM D638	360 kg/cm ²
Elongation @ Yield	ASTM D638	10%
Flexural Modulus	ASTM D790B	17500 kg/cm ²
Notched Izod Impact Strength @ 230 °C	ASTM D256A	2.6 kg.cm/cm
Heat Deflection Temperature @ 4.6 kg/cm ²	ASTM D648	99 °C
Rockwell Hardness	ASTM D785A	R 97
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.

APPLICATIONS

Closures, housewares, toys, games, pill boxes, containers, healthcare devices, syringe barrel, pen cap and pen body.

ADVANTAGES

Good processability
High stiffness
Good heat deflection temperature
Microwaveable for food reheating purposes

FABRICATION

Equipment – raw or screw injection machine
Techniques – standard processing.