

Polypropylene

BLOW MOLDING

Density 0.895

Melt Index 1.6

Physical Properties	ASTM Test*	Metric Units
MFR (230°C/2.16 kg)	D1238	1.6 g/10 min
Density	D792	0.895 g/cm ³
Tensile yield strength @ 50 mm/min	D638	306 kg/cm ²
Tensile yield elongation	D638	15%
Flexural modulus (1% secant)@1.3 mm/min	D790A	10710 kg/cm ²
Notched Izod impact strength @23°C	D256	11.2 kg-cm/cm
Hardness, Rockwell	D785	R84
Deflection temperature @ 0.455 MPa (4.64 kg/cm ²)	D648	86°C
Vicat softening temperature	D1525B	125°C
Melting temperature DSC, 10 C/min, 2nd heat	D3418	146°C

CHARACTERISTIC

PP MI 1.6 Blow Molding is a polypropylene ethylene random copolymer with high clarity, for blow molded bottles less than 5 litre size & hot filled. It can also be used for extruded sheet applications. This grade uses Unipol polypropylene technology from Union Carbide Corporation.

ADVANTAGES

Clarifying additive provides high clarity, faster cycle time

Better impact resistance than homopolymer

Compliance with FDA regulation 21CFR177.1520

Processing Temperature : Melt Temperature 200-230°C

Mold Temperature 20-50°C