Polypropylene

INJECTION MOLDING

Physical Properties	ASTM Test*	Metric Units
Density	**D1505**	**0.895 g/cm^3**
MI (230°C/2.16 kg)	**D1238**	**10 g/10min**
Tensile yield strength at 50 mm/min	**D638**	**286 kg/cm^2**
Tensile yield elongation	**D638**	**14%**
Flexural modulus (1% secant) @ 1.3 mm/min	**D790A**	**10455 kg/cm^2**
Notched Izod impact strength @ 23°C	**D256**	**8.2 kg.cm/cm**
Hardness, Rockwell	**D785**	**R85**
Deflection temperature@0.455MPa(4.64 kg/cm^2)	**D648**	**85°C**
Vicat softening temperature	**D1525B**	**125°C**
Melting temperature DSC, 10 C/min, 2nd heat	**D3418**	**146°C**

* Polypropylene tested per ASTM D4101

CHARACTER

PP MI 10 Copo is a polypropylene ethylene random copolymer with high clarity, for housewares, containers, lids, medical syringes, and general purpose injection molding applications where maximum clarity is desired. This grade uses Unipol polypropylene technology from Union Carbide Corporation with the latest generation of catalyst.

ADVANTAGES

High clarity, for housewares, containers, lids, medical syringes, general purpose, injection molding, applications where maximum clarity is desired

Processing temperature : Injection temperature 230-240°C
Mold temperature 30-50°C