



### NAME: P-I-110 Homopolymer

#### Product Description:

"Polynar P-I-110" is a medium-high fluidity polypropylene homopolymer for injection moulding. Because of its good flow properties. "Polynar P-I-110", offers easy mould filling & short cycle times. Articles produced from "Polynar P-I-110", exhibit good dimensional stability & high stiffness. "Polynar P-I-110" is widely used for injection moulding consumer goods such as food containers, cool boxes, vacuum flasks, flower pots, toys, garden furniture & small appliances, in the medical sector, "Polynar P-I-110" is used for 3-part syringes and a wide range of health-care items. Other applications are closures, caps crates for products. "Polynar P-I-110" is suitable for food contact.

#### Typical Applications:

Cool boxes, vacuum flasks, flower pots, closures, caps, crates, Food containers, Garden furniture, toys, 3-part syringes

#### Typical data: (Table)

Test/Composition	Value	Unit	Method
Melt flow rate(230°C/2.16 kg)	12	dg/min	ASTMD1238
Density	0.9	g/cm <sup>3</sup>	ASTMD 1505
Flexural Modulus	1400	MPa	ASTMD790
Tensile Strength at Yield	34	MPa	ASTM D 638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	35	J/m	ASTM D256
Vicat softening point (ION)	154	°C	ASTMD 1525
H.D.T (0.46 MPa))	95	°C	ASTM D 648

Main Application: Injection molding

Product Type: Homo polymer