



## P-I-110 Homopolymer

### 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 stiffnes.

"Polynar P-I-110" is widely used for injection moulding consumer goods such as food containers, cool boxes , vacume 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.

### Processing Method

injection moulding

### Features

homopolymer

good flow properties ,

easy mould filling&short cycle times

good dimensional stability & high stiffnes.

### Typical Applications

Cool boxes,

vacuum flasks,flower pots,

closures, caps crates

Food containers

Garden furniture

Toys

### Producer

Polynar Petrochemical Company

Typical Properties	Value	Unit	Method
<b>Physical</b>			
Melt Flow Rate (230 oC, 2.16kg)	12	g/10min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1400	MPa	ASTM D790
Tensile Strength at Yield	34	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 oC	35	J/m	ASTM D256
<b>Thermal</b>			
Vicat softening point (10N)	154	° C	ASTM D1525
H.D.T. (0.46 Mpa)	95	° C	ASTM D648

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