



### 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  
3-part syringes



ISO 9001

OHSAS 18001

ISO 14001

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	12.0	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 °C	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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