



### P-SI-080 Homopolymer

#### Description:

"Polynar P-SI-080" is a homopolymer used for injection moulding applications.

"Polynar P-SI-080" exhibits a good stiffness /impact balance at ambient temperature .

The main applications of "Polynar P-SI-080" Are caps ,closures,housewares and furniture.

"Polynar P-SI-080" is suitable for food contact.

#### Processing Method:

Injection moulding

#### Features:

homopolymer  
good stiffness  
impact balance at ambient temperature

#### Typical Applications:

Furniture, caps , ,closures,household articales ,toys  
Automotive industry

TYPICAL PROPERTIES	VALUE	UNIT	METHOD
<b>Physical</b>			
Melt Flow Rate (230 °C, 2.16kg)	8.0	g/10min	ASTM D1238
Density	0.90	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Flexural Modulus	1550	MPa	ASTM D790
Tensile Strength at Yield	36	MPa	ASTM D638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	36	J/m	ASTM D256
<b>Thermal</b>			
Vicat softening point (10N)	154	°C	ASTM D1525
H.D.T. (0.46 Mpa)	93	°C	ASTM D648

ISO 9001

OHSAS 18001

ISO 14001



Head Office: NO:10 ,Danially Alley ,Andarzgoo Boulevard, TEHRAN-IRAN  
[TEL:\(+9821\)22212087](tel:+982122212087) FAX:(+9821)22201946

Factory: West of TABRIZ Petrochemical Complex – TABRIZ-IRAN  
[TEL:\(+98411\)4201000](tel:+984114201000) FAX:(+98411)4201001  
[www.polynar.com](http://www.polynar.com) Email:[info@polynar.ir](mailto:info@polynar.ir)