



P-FI-090 Homopolymer

Description:

"Polynar P-FI-090" is a polypropylene homopolymer for injection moulding .

"Polynar P-FI-090" its good flow properties , this grade offers easy processing .

Articles produced from "Polynar P-FI-090" exhibit high stiffness.

"Polynar P-FI-090" is widely used for injection moulding consumer goods such as food containers ,house wares,toys & garden furniture. other major applications are components for appliances & parts for the auhomative industry.

"Polynar P-FI-090" is suitable for food contact.

Processing Method:

injection moulding

Features:

homopolymer
good flow properties
easy processing
high stiffness

Typical Applications:

injection moulding consumer goods such as food containers ,house wares,toys , garden furniture & are components for appliances & parts for the auhomative industry.

| TYPICAL PROPERTIES | VALUE | UNIT | METHOD |
|---|-------|-------------------|------------|
| Physical | | | |
| Melt Flow Rate (230 °C, 2.16kg) | 10 | g/10min | ASTM D1238 |
| Density | 0.90 | g/cm ³ | ASTM D1505 |
| Mechanical | | | |
| Flexural Modulus | 1550 | MPa | ASTM D790 |
| Tensile Strength at Yield | 35 | MPa | ASTM D638 |
| Tensile Elongation at Yield | 12 | % | ASTM D638 |
| Izod Impact Strength (notched) at 23 °C | 37 | J/m | ASTM D256 |
| Thermal | | | |
| Vicat softening point (10N) | 154 | °C | ASTM D1525 |
| H.D.T. (0.46 Mpa) | 95 | °C | ASTM D648 |

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

Factory: West of TABRIZ Petrochemical Complex – TABRIZ-IRAN
 TEL:(+98411)4201000 FAX:(+98411)4201001
 www.polynar.com Email:info@polynar.ir

