

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

Producer

Polynar Petrochemical Company

Typical Properties	Value	Unit	Method
Physical			
Melt Flow Rate (230 oC, 2.16kg)	8	g/10min	ASTM D1238
Density	0.90	g/cm ³	ASTM D1505
Mechanical			
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 oC	36	J/m	ASTM D256
Thermal			
Vicat softening point (10N)	154	° C	ASTM D1525
H.D.T. (0.46 Mpa)	93	° C	ASTM D648