



P-YI-300 Homopolymer

Description:

"Polynar P-YI-300" is a high melt flow homopolymer with a narrow molecular weight distribution.

"Polynar P-YI-300" is designed for high speed injection moulding "Polynar P-YI-300" can be moulded at very high speeds production thin-walled parts, even with complicated shapes, without distortion. "Polynar P-YI-300" is recommended for high speed melt spinning processes and multifilament yarns like bulk continuous filament (BCF) and continuous filament (CF) fibres.

"Polynar P-YI-300" is suitable for food contact.

Processing Method:

Injection Moulding
Extrusion (BCF-CF)

Features:

Homopolymer, high process stability
Excellent processability.

Typical Applications:

Polynar P-YI-300 is widely used for thin-walled packaging in the cosmetic & food industry.

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TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	30.0	g/10min	ASTM D1238
Density	0.90	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Thermal			
Vicat softening point (10N)	152	°C	ASTM D1525
H.D.T. (0.46 Mpa)	94	°C	ASTM D648

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

Email:info@polynar.ir



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