

**NAME: P-YI-300 Homopolymer****Product 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 molded 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 continues filament (BCF) and continuous filament (CF) fibers. Polynar P-YI-300" is suitable for food contact.

**Typical Applications:**

Polynar P-YI-300 is widely used for thin-walled packaging in the cosmetic & food industry. "Polynar P-YI-300" is recommended for high speed melt spinning processes and multifilament yarns like bulk continues filament (BCF) and continuous filament (CF) fibers.

**Typical data: (Table)**

Test/Composition	Value	Unit	Method
Melt flow rate(230°C /2.16 kg)	30	dg/min	ASTM D1238
Density	0.9	g/cm <sup>3</sup>	ASTMD 1505
Flexural Modulus	1500	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D 638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Vicat softening point (ION)	152	°C	ASTMD 1525
H.D.T (0.46 MPa)	95	°C	ASTM D 648

Main Application: Injection Molding- Extrusion (BCF-CF) Product Type: Homo polymer.