

**NAME: P-YI-350 Homopolymer****Product Description:**

"Polynar P-YI-350" is a very high fluidity homopolymer for the high speed production of very low denier BCF and CF.

"Polynar P-YI-350" exhibits excellent antigasfading properties and due to its high homogeneity and very high MFR.

"Polynar P-YI-350" offers stable extrusion and excellent process ability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough, resilient and colorfast fibers.

"Polynar P-YI-350" is eminently used for the high speed production of bulked continuous filament for carpet face yarn. Another major application is the production of high tenacity continuous filament for straps for backpacks, handles for big bags and safety belts. Continuous filament with medium tenacity is used for upholstery and heavy duty clothing. "Polynar P-YI-350" is suitable for food contact.

**Typical Applications:**

BCF for carpet face yarns High tenacity CF for straps for backpacks handles for big bags and safety belts Upholstery and heavy duty clothing.

**Typical data: (Table)**

Test/Composition	Value	Unit	Method
Melt flow rate(230°C /2.16 kg)	35	dg/min	ASTMD1238
Density	0.9	g/cm <sup>3</sup>	ASTMD 1505
Flexural Modulus	1450	MPa	ASTMD790
Tensile Strength at Yield	32	MPa	ASTM D 638
Tensile Elongation at Yield	10	%	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))	94	°C	ASTM D 648

Main Application: Extrusion (BCF, CF) Product Type: Homo polymer