

**NAME: P-YI-220 Homopolymer****Product Description:**

"Polynar P-YI-220" is a high melt flow homo-polymer polypropylene for the production of CF, BCF and fine denier staple fibers at medium to high spinning speeds and exhibits excellent antigasfading properties. "Polynar P-YI-220" offers a high homogeneity, stable extrusion and excellent process ability on both short and long spinning lines. This grade allows a high stretch ratio and gives tough and resilient fibers. Another typical application is high tenacity continuous filament for straps for backpacks, sport bags, bulk bags and handles for big and safety belts. Continuous filament with medium tenacity is used for upholstery and sportswear and heavy duty clothing. "Polynar P-YI-220" is also suited for the production of bulked continuous filament for thermo bonding and carpets. "Polynar P-YI-220" is suitable for food contact.

**Typical Applications:**

Wipes and tissues, Straps for backpacks, sport bags, bulk bags and for safety belts  
Upholstery and sportswear, Bulk continuous filament for carpets

**Typical data: (Table)**

Test/Composition	Value	Unit	Method
Melt flow rate(230°C /2.16 kg)	22	dg/min	ASTMD1238
Density	0.9	g/cm <sup>3</sup>	ASTMD 1505
Flexural Modulus	1650	MPa	ASTMD790
Tensile Strength at Yield	35	MPa	ASTM D 638
Tensile Elongation at Yield	12	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	30	J/m	ASTM D256
Vicat softening point (ION)	154	°C	ASTMD 1525
H.D.T (0.46 MPa)	95	°C	ASTM D 648

Main Application: Fiber extrusion (CF, Staple) Product Type: Homo polymer