



P-YI-350 Homopolymer

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 processability 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 bigbags 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.

Processing Method:

Extrusion (BCF, CF)

Features:

High process stability
Excellent processability
Homopolymer
Excellent antigasfading properties

Typical Applications:

BCF for carpet face yarns
High tenacity CF for straps for backpacks
Handles for bigbags and safety belts
Upholstery and heavy duty clothing



TYPICAL PROPERTIES	VALUE	UNIT	METHOD
Physical			
Melt Flow Rate (230 °C, 2.16kg)	35.0	g/10min	ASTM D1238
Density	0.90	g/cm ³	ASTM D1505
Mechanical			
Flexural Modulus	1450	MPa	ASTM D790
Tensile Strength at Yield	32	MPa	ASTM D638
Tensile Elongation at Yield	10	%	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 FAX:(+9821)22201946

Factory: West of TABRIZ Petrochemical Complex – TABRIZ-IRAN
 TEL:(+98411)4201000 FAX:(+98411)4201001

www.polynar.com Email:info@polynar.ir