

Technical Datasheet P-YI-250

1) Product Description:

PYI250 is a high melt flow homopolymer for the production of low denier BCF, CF, and staple fibers at medium to high spinning speeds. PYI250 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.

2) Applications:

PYI250 is widely used for the production of bulked continuous filament for carpet face yarns. 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, sportswear and heavy duty clothing.

3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt flow rate(230°C /2.16 kg)	ASTM D1238	dg/min	25
Density	ASTM D1505	g/cm ³	0.9
Flexural Modulus	ASTM D790	MPa	1500
Tensile Strength at Yield	ASTM D 638	MPa	34
Tensile Elongation at Yield	ASTM D638	%	12
Izod Impact Strength (notched)at 23°C	ASTM D256	J/m	30
Vicat Sofrening point (10 N)	ASTM D1525	°C	154
H.D.T (0.46 MPa)	ASTM D 648	°C	90

* Typical values not to be construed as specifications.