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Technical Data Sheet

Product Name **Grade**	**Polypropylene HIPOLEN P** **TA 3**
Polymer Type	Polypropylene homopolymer
Processing Method	**Textile fibers, Extrusion of cast film**
Applications	• **Medium denier staple fibers for carpeting and upholstery** • **CF and BCF multifilament for woven applications** • **Thermally bonded and needle-woven nonwovens** • **Insulation material and staple fibers for filters and other technical fabrics** • **Cast film for packaging**
Product Description	HIPOLEN P TA 3 is medium molecular weight distribution homopolymer intended for staple fibers manufacture. This polymer can be used also for CF and BCF multifilament production at medium-higher spinning speeds. Grade TA 3 is stabilized with general formulation which provides constant flow and high process stability. HIPOLEN P TA 3 complies with European Commission Regulation (EU) No. 10/2011 relating to plastic materials intended to come into contact with foodstuffs.
Packaging and Designation	HIPOLEN P is packaged in coated PP valve bags with a net weight of 25 kg each. 55 bags in 11 layers are set on wood pallet and overwrapped with thermo-shrink film. Pallet net weight is 1375 kg and dimensions are: length 1300 mm, width 1100 mm and height is approximately 2000 mm. Following data are printed on every bag: Polypropylene grade, lot number and batch number.
Storage Conditions	Pallets with PP should be stored in common storage areas at temperatures between 0°C and +40°C, protected from direct sunlight, rain and heat sources. PP is combustible polymer and regular measures of fire-fighting should be taken in storage areas. At least 8 hours before processing, conditioning of PP pellets at ambient temperature in production rooms is recommended.

Property	Testing Method	Nominal Value	Unit
Melt Flow Rate MFR	ASTM D1238 (230°C; 2,16 kg)	**12**	g/10 min
Index of Isotacticity	ISO/DIS 1873-1	**98**	% wt
Tensile Strength at Yield	ASTM D638	**32**	MPa
Flexural Modulus	ASTM D790	**1400**	MPa
IZOD Impact Resistance	ASTM D256 (23°C, notched)	**3,5**	kJ/m^2

Note: Mechanical property values carried out on compression molded test specimens.