Hipol

Product 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** • **Staple fibers for filters and other technical fabrics** • **CF and BCF multifilament for woven applications** • **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.
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. If large quantities of PP are stored, the usual stock control should be organized and presence of dust and moisture must be avoided. At least 8 hours before processing, conditioning of PP pellets at ambient temperature in production rooms is recommended.

Product Properties	Testing Method	Nominal Value	Unit
Melt Flow Rate MFR	ISO 1133, (230°C; 2,16 kg)	**12**	g/10 min
Density	ISO 1183 (D)	**0,90**	g/cm^3
Tensile Strength at Yield	ISO 527	**32**	MPa
Tensile Modulus	ISO 527	**1300**	MPa
IZOD Impact Resistance	ISO 180 (23°C, notched)	**3,1**	kJ/m^2
VICAT Softening Temperature	ISO 306 (A50-50°C/h, 10N)	**153**	°C
Heat Deflection Temperature	ISO 75A (1,80 MPa)	**53**	°C
	ISO 75B (0,45 MPa)	**98**	°C