

**Polypropylene (PP) from SC "Turkmengas"**

According to the State Statistics Committee of Turkmenistan, the level of use of production facilities to produce polyethylene in the Turkmenbashi complex of oil refineries (TKNPZ) reached 93.5%. This demonstrates the excellent technical condition of the plant and the availability of high-quality raw materials. Turkmenistan began the sale of polypropylene (PP) and high-density polyethylene (HDPE) from a new gas chemical complex in the village of Kiyarly (Balkan region, Turkmenistan).

**PP D 30 S Character and Applications**

TPP D 30 S polypropylene is a homopolymer of polypropylene, suitable in particular for extrusion for the purpose of forming sheet thermoplastics, filamentary fabric and monofilament.

PP D 30 S Polypropylene is designed to produce rigid sheets for the purpose of quality molding of sheet thermoplastics such as vending machines glasses, dairy products and trays intended for fruit, biscuits and chocolate.

TPP D 30 S polypropylene is useful to produce filament yarns both by injection and bubbling processes.

Textile filament yarns with a denier number of no less than 1100-1200 are used for the release of carpet substrates, bags, industrial fibers, mats and artificial turf.

The filamentary filament with the number of dossiers in the range 3.000-28.000 finds application to produce bale and packing twines, as well as ropes.

TPP D 30 S polypropylene can be used to produce monofilament used, for example, for the release of brushes and brooms, as well as for other technical applications.

**TYPICAL PHYSICAL PROPERTIES**

No	Typical Properties	Unit	TPP D 30 S	TEST Method
1	Melting Rate	g/10min	3,2	ISO 1133
2	Non Soluble in Xylol	% by weight	95.7	MA 15558
3	Ash ( as oxides)	ppm by weight	130	MA 16013
4	Chlorine	ppm by weight	35	MA 1594
5	Ultimate Tensile Strenght (in yeild strenght)	Mpa not less than	33	ISO 527
6	Flexural Strenght Modulus	not less than	1300	ISO 178
7	Impact Strenght with cut by IZOD at 23C	J/m not less than	3,5	ISO 180/1A
8	Index of Yellowing	not less than	2	MA 17212

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