

TECHNICAL DATA SHEET

Polipropileno, Polietileno & Masterbatch.

Type:	Homopolymer
Product Name:	ESENTTIA 12H95A

Characteristics: Control reology medium melt flow rate Homopolymer polypropylene with good impact, with antistatic additive.

Recommended for: General purpose injection molding applications.

Property	English Units	SI Units	ASTM Test
Melt Flow Index (230°C - 2.16 Kg.)	11.5 g/10min.	11.5 g/10min.	D-1238 B
Tensile yield strength (50 mm/min.)	4900.0 psi	33.78 MPa	D-638
Tensile yield elongation (50 mm/min.)	11.0 %	11.0 %	D-638
Flexural modulus 1% secant (1.3 mm/min.)	190000.0 psi	1310.0 MPa	D-790-1A
Notched Izod Impact strength (23 °C/73 °F)	0.6 ft-lb/in	32.03 J/M	D-256-A

@ Type I specimen, 3.2 mm thick injected according with ASTM D 4101 09 method. Values shown are averages and should be taken as a guide and not to be interpreted as product specifications. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product. These values may shift as additional data are accumulated; ESENTTIA shall not be under a duty to notify you any changes to the specifications, therefore we advise the receiver to ask for a new declaration periodically.

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NOTE: Food contact articles or articles which will be subjected to any kind of treatment such as sterilization and ozonation, a FDA certificate should have to be requested www.esenttia.co or contacting our Customer Service. ESENTTIA shall not be under a duty to notify you any changes to the regulations.

STORAGE: Storage time of natural materials longer than 6 months may have a negative influence on the quality of the final product (for example brightness). It is recommended to convert all materials latest within 6 months of production.

The product should be stored in dry conditions at temperatures below 40 °C and protected from UV-light. Improper storage can initiate degradations, which results in odor generation and color changes and can have negative effects on the physical properties of the product. If polymer is stored in conditions of high humidity and fluctuating temperatures, then atmospheric moisture can condense inside the packing. If it happened, it is recommended the pellets to be dried before use. During storage polypropylene should not be exposed to UV radiation. Producer does not take responsibility for any damages caused by adverse storage.

Unless otherwise agreed in writing, the exclusive remedy for all claims is replacement of the product or to reimburse of the purchase price at ESENTTIA's option, and in no event shall ESENTTIA be liable for special, consequential, incidental, punitive, or exemplary damages.

ESENTTIA's products do not have additives with metals or other substances on purpose of oxi-degradation. These additives and the decomposition and disintegration of polypropylene caused by oxi-degradation phenomenon can cause environmental pollution, decrease the package performance and increase migration of package constituent to food, compromising resin approval regarding the requirements of Legislations, Recommendations or Communications related. The use of these additives with ESENTTIA products implies immediate loss of performance guarantee described in this technical data sheet.