

TECHNICAL DATA SHEET

Homopolymer Type:

Product Name:

ESENTTIA 40H92-SBC

Characteristics: Control reologhy high melt flow rate Homopolymer polypropylene, excellent uniformity in the spinning of low-denier fibers at high speed and easy mold filling, good balance "stiffness/impact"

Recommended for: Fabrication of Non woven fabrics by high speed Spunbond process, extrusion and spinning of low denier fibers, extrusion coating of raffia woven fabrics, Injection thin wall articles and short cycle times, general

purpose injection molding applications.

Property	English Units		SI Units		ASTM Test
Melt Flow Index (230°C - 2.16 Kg.)	37.0	g/10min.	37.0	g/10min.	D-1238 B
Tensile yield strength (50 mm/min.)	4700.0	psi	32.41	MPa	D-638
Tensile yield elongation (50 mm/min.)	11.0	%	11.0	%	D-638
Flexural modulus 1% secant (1.3 mm/min.)	185000.0	psi	1275.5	MPa	D-790-1A
Notched Izod Impact strength (23 °C/73 °F)	0.5	ft-lb/in	26.69	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

IMPORTANT: The information contained herein corresponds to typical values and should be considered as a guide in the behavior and applicability of our resins and it is based on the data available to us and is believed to be correct as the date of publication, however we make no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from user thereof or for any printing errors. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws are observed. ESENTTIA declines all responsibility that may arise directly or indirectly, from the use of such information nor do we offer any warranty or immunity against patent infringement.

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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.