



PRODUCT INFORMATION

**NILFLEX SH A80 MN005 00 FL
NATURALE**

SEBS elastomer is the main constituent of these TPE-S (Thermoplastic Elastomer Styrenic) compounds. These compounds show high UV and ozone resistance. Nilflex SH is totally recyclable and it can be produced in standard grades and in tailor-made grades.

Form

Pellets

Key Features

- Light natural colour
- Designed for injection moulding applications
- Good flowability
- Suitable for food contact applications
- Low density
- Good adhesion to polyolefinic substrate

Compliance

- European Directive 2011/65/EU (RoHS 2)
- European Regulation No. 1907/2006/EC (REACH - Substances of very high concern, SVHC)
- European Directive 2000/53/EC (End-of-Life Vehicle)

Process

- INJECTION MOULDING

Application

- General purpose applications
- Furniture
- Toys
- Sports
- Consumer
- Building
- Ash trays

Property	Method	Unit	Value	Condition	State
PHYSICAL					
Density (+23°C)	ISO 1183	g/cm ³	0,87-0,90		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	10	190°C - 5 kg	

The listed data are in the normal range of product properties, they should not be used to establish specification nor as the basis of design. Values are valid for natural coloured version only.

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to both the health and the well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation systems and fresh air at the workplace in accordance with the product Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures and conditions should not be substantially exceeded.

All information, recommendation or technical advice provided by TARO PLAST S.p.A. are given in good faith but without warranty, to the best of its knowledge and based on current procedures in effect. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing methods and conditions of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely under your own responsibility.



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MECHANICAL

Hardness SHORE A	ASTM D2240	Shore A	80	3 sec
Tensile Break Strength	ASTM D412/C	MPa	10	
Elongation at Break	ASTM D412/C	%	700	
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	3,6	
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	4,6	
Tear Strength	ASTM D624/C	N/mm	45	

INJECTION MOULDING	Value
Melt Temperature	170-230°C

Notes All NILFLEX SH compounds must be stored indoors at a temperature below 50°C avoiding humidity and direct sunlight as well.
Despite a longer shelf storage life without loss of properties, we recommend to use the material within 6 months from the production date.

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