

**EPAMOULD 180A01** is a phthalate free polyester based thermoplastic polyurethane with high crystallization rate and excellent dimensional stability.

### **Typical properties**

Density	ISO 1183	1,19 Kg/dm <sup>3</sup>
Hardness	ISO 868	80 Shore A
Tensile strength	EN 12803	30 MPa
Elongation at break	EN 12803	580 %
Tear strength	ISO 34	67 KN/m
Abrasion resistance	EN 12770	50 mm <sup>3</sup>

The values quoted have been measured using standard test specimens at room temperature. The figures should be considered as indicative values only and not as binding minimum values.

Actual properties of TPU parts can be affected to a considerable extent by the design of the mould, the processing conditions and the additives used. For these reasons they have to be determined on the actual TPU articles on a statistical bases. Full-scale testing and end product performance are full responsibility of the user.

### **Packaging and storage**

**EPAMOULD 180A01** is supplied in 20 kg aluminium bags. Depending on actual transport conditions pallets can be composed by 30 or 30 bags (870 or 700 Kg). Epamould TPUs may be stored for 12 months from the date of shipment, sealed in the original package.

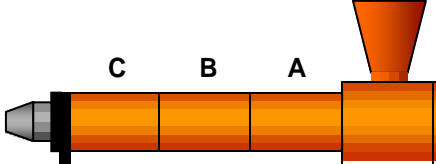
### Material preparation

To ensure trouble free processing and high quality injection moulded parts it is preferable to dry EPAMOULD 180A06 before use. The recommended drying conditions are 2 hours at 90°C in a desiccant dryer.

### Equipment

Standard injection moulding machines with general purpose screws of 40 to 60 mm diameter and an L/D ratio of 20 : 1 to 30 : 1 are normally suitable for the injection moulding of EPAMOULD 180A06.

### Recommended injection moulding parameters

INJECTION TEMPERATURES			
	ZONE A	°C	170 - 190
	ZONE B	°C	170 - 190
	ZONE C	°C	170 - 190
	NOZZLE	°C	160 - 180

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### Health and safety advice

People handling this product must be informed of all the necessary precautions that must be taken. These are detailed in the relevant Material Safety Data Sheet which will be provided by Epaflex Polyurethanes srl.

The information contained herein is believed to be reliable but, no representations, guarantees of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom. It is imperative that the users test our products, technical assistance and information, to determine to their own satisfaction whether they are suitable for their intended use and applications. All information, technical assistance and advice are provided without warranty or guarantee, and is subject to change without notice. Nothing herein shall be construed as a recommendation or permission to practice any patented invention without permission of the patent owner

MDS EA 180 A 06 – Rev 2 - 10,09,2010