



MULTIFLEX™ TES 2803 SI1 BLK 23052

STYRENIC THERMOPLASTIC ELASTOMER

Product information

Colour Black

Rheological properties

Melt volume-flow rate	4.5 cm ³ /10min	ISO 1133
Temperature	230 °C	ISO 1133
Load	5 kg	ISO 1133
Moulding shrinkage, parallel	1.3 %	ISO 294-4, 2577
Flow length	270 mm	

Typical mechanical properties

Stress at break	14 MPa	ISO 527-1/-2
Strain at break	160 %	ISO 527-1/-2
Flexural Modulus	280 MPa	ISO 178
Izod notched impact strength, -50°C	62 kJ/m ²	ISO 180/1A
Shore D hardness, 15s	34 -	ISO 7619-1
Tear strength, parallel	75 kN/m	ISO 34-1
Tear strength, -30°C	155 kN/m	ISO 34-1
Tear strength, 80°C	40 kN/m	ISO 34-1

Other properties

Density	920 kg/m ³	ISO 1183
---------	-----------------------	----------

Injection

Drying Recommended	no
Melt Temperature Optimum	245 °C
Mold Temperature Optimum	30 °C
Min. mould temperature	20 °C
Max. mould temperature	40 °C
Hold pressure range	as low as possible MPa
Back pressure	1 MPa
Injection speed	Medium-High mm/s

Revised: 2019-09-03

Page: 1 of 2

dupont.com



DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2020 DuPont.

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

Caution: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of DuPont POLICY Regarding Medical Applications H-50103-4 and DuPont CAUTION Regarding Medical Applications H-50102-4.



MULTIFLEX™ TES 2803 SI1 BLK 23052

STYRENIC THERMOPLASTIC ELASTOMER

Storage and stability

Shelf life

12 months

Characteristics

Processing

Injection Moulding

Delivery form

Pellets

Compatibility

Polyolefins

Processing Texts

Injection molding

Drying before moulding is normally not required, but may be needed if the product is stored in a high humidity environment.

Lower temperature on the moving part of the mould is preferred.



DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted. © 2020 DuPont.

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

Caution: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract that is consistent with DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative. You may also request a copy of DuPont POLICY Regarding Medical Applications H-50103-4 and DuPont CAUTION Regarding Medical Applications H-50102-4.