

500500S

General

Dryflex 500500S	Thermoplastic Elastomer
Material Type	TPS-SEBS
Hardness	50 Shore A (4mm)
Service Temperature Range	-50 - - +125 °C (unstressed material)
Colour	Translucent, but can be available in any colour.
Presentation	Free flowing pellets that can be processed without predrying, when stored under normal conditions.
Weather Resistance	Excellent
Chemical Resistance	Good (excluding organic solvents, aromatic- and vegetable oils)
Recyclability	100% recyclable

Processing

The material has excellent processing characteristics and can be processed using conventional thermoplastic fabricating methods, including injection moulding and extrusion.

Processing Temperatures	Injection Moulding	Extrusion
Barrel Temperatures °C	180 - 210	150 - 210
Mould Temperatures °C	30 - 60	

Typical Properties

Property	Units	Typical Value	Test Method
Hardness	Shore A (4mm)	50	ASTM D 2240
Specific Gravity	g/cm ³	0,89	ASTM D 792
Tensile Strength	MPa	6,0	ASTM D 638
Tear Strength	kN/m	15	ASTM D 624
Modulus at 100% Strain	MPa	1,0	ASTM D 638
Modulus at 300% Strain	MPa	2,0	ASTM D 638
Elongation at Break	%	600	ASTM D 638
Melt Flow Rate	g/10 min 190°C/2,16kg	2,0	ASTM D 1238

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions, which may be made, are without guarantee, since the conditions of use are beyond our control. Figures are indicative and can vary depending on specific grade selected and production site. Dryflex & Mediprene grades have an expected shelf life of minimum 12 months after shipment date. The product should be stored in a dry and cool place in the manufacturer's original packaging. Dryflex® and Mediprene® are registered trademarks, property of the HEXPOL Group of companies