

Dryflex SE 50A201N

General

Description	Thermoplastic Elastomer, TPS-SEBS
Colour	Natural
Form	Free flowing pellets
Service temperature	-50 to +125°C (unstressed material)
Recycling	100% recyclable

Special Features

Standard TPE optimised for injection moulding.

Typical Properties

Property	Units	Typical Value	Test Method
Hardness	Shore A	50	ISO 868 ¹
Density	g/cm ³	1.0	ISO 2781
Tensile Strength	MPa	8.2	ISO 37 Type 1 ²
Stress at 100% Strain	MPa	1.4	ISO 37 Type 1 ²
Stress at 300% Strain	MPa	2.1	ISO 37 Type 1 ²
Elongation at Break	%	> 850	ISO 37 Type 1 ²
Tear Strength	N/mm	19.5	ISO 34-1 Method C ²
Compression Set			
23°C / 72h	%	18	ISO 815-1 Type B
70°C / 22h	%	37	ISO 815-1 Type B
100°C / 22h	%	62	ISO 815-1 Type B

¹ After 15 seconds

² Across the flow direction

Processing

The product should be stored in a dry and cool place in the manufacturer's original packaging. The material can be processed using standard thermoplastic processing methods. Additional processing information is available in our Processing Guides which can be downloaded from our website www.hexpolTPE.com →

Processing temperatures (°C)	Injection Moulding	Extrusion
Cylinder	180 - 220	n.a.
Mould	15 - 50	n.a.
Predrying	Under normal conditions not necessary.	

Typical values are advisory and do not absolve customers from carrying out their own full-scale tests to determine the suitability of the material for the intended applications. Dryflex 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. Figures are indicative and may vary depending on the specific grade selected and the production site. HEXPOL TPE makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Dryflex[®] is a registered trademark, property of the HEXPOL Group of companies.