

Dryflex PS 60R201B

General

Description	Thermoplastic Elastomer, TPS-SEBS
Colour	Black
Form	Free flowing pellets
Service temperature	-50 to +120°C (unstressed material)
Recycling	100% recyclable

Special Features

TPE for pipe joint seals which meets requirements of EN 681-2:2000, Type WT.

Typical Properties

Property	Units	Typical Value	Test Method
Hardness	IRHD	60	ISO 48
	Shore A	51	ISO 868 ¹
Density	g/cm ³	1.05	ISO 2781
Tensile Strength	MPa	4.5	ISO 37 Type 1 ²
	MPa	9.5	ISO 37 Type 1 ³
Elongation at Break	%	> 650	ISO 37 Type 1 ²
	%	> 800	ISO 37 Type 1 ³
Compression Set			
23°C / 72h	%	22	ISO 815-1 Type B
70°C / 24h	%	34	ISO 815-1 Type B
-10°C / 72h	%	60	ISO 815-1 Type B
Heat Ageing (7 days at 70°C)			
Hardness Change	IRHD	1	ISO 48
Tensile Change	%	1	ISO 37
Elongation Change	%	3	ISO 37
Stress Relaxation			
23 °C / 7d	%	21	ISO 3384
23 °C / 100d	%	29	ISO 3384

¹ After 15 seconds

² In the flow direction

³ Across the flow direction

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.

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Typical Properties

Volume Change in Water 70 °C / 7d	%	1	ISO 1817
Ozone Resistance	-	No cracking	ISO 1431-1

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	190 - 220	n.a.
Mould	15 - 50	n.a.
Predrying	Under normal conditions not necessary.	

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