

# Dryflex® AM



Dryflex AM is a range of TPE materials designed for automotive mats. They have high scratch and abrasion resistance and easy to process. The range includes high-flow grades designed for complex mouldings with a large surface such as trunk liners. The range includes materials with low odour and emissions performance.

Dryflex AM TPEs require no vulcanisation and are recyclable in closed loop systems. They are available in customer specific colours as well as black and natural.

**Typical Applications:** floor mats, trunk liners, coin mats, fascia, inlay mats, cup holders and trim.

**Customised Grades:** Below we show several grades to demonstrate possibilities, these tables do not list all available materials. Please [contact us](#) to discuss your specific requirements.

## Dryflex AM : SEBS based

Service Temperature Range : from  $-50^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  (unstressed material)

Weather Resistance (air-ageing) : Excellent

	Hardness <sup>1</sup> ISO 868 Shore A	Density ISO 2781 g/cm <sup>3</sup>	Tensile Strength <sup>2</sup> ISO 37 Type 1 MPa	Tear Strength <sup>2</sup> ISO 34-1 Method C N/mm	Flammability <sup>3</sup> FMVSS 302 mm / min	Abrasion DIN 53516 mm <sup>3</sup>	Fogging 80°C ISO 6542 mg	Fogging 100°C ISO 6542 mg
Dryflex AM 50A204B	50	1.08	4.0	20	25	340	< 0.30	< 1.50
Dryflex AM 55A203B	55	1.10	5.0	21	22	350	< 0.30	< 1.50
Dryflex AM 65A203B	65	1.10	7.0	26	15	250	< 0.30	< 1.50
Dryflex AM 75A203B	75	1.09	9.0	36	19	150	< 0.30	< 1.50

### High Flow Grades

Dryflex AM 65A204B	65	1.09	7.0	25	21	290	< 0.30	< 1.50
Dryflex AM 75A204B	75	1.09	7.0	30	26	222	< 0.30	< 1.50

<sup>1</sup> After 15 seconds

<sup>2</sup> Across the flow direction

<sup>3</sup> 2mm wire supported

# Dryflex AM : SBS / SEBS based

Service Temperature Range : from -50°C to +75°C (unstressed material)

Weather Resistance (air-ageing) : Good

	Hardness <sup>1</sup> ISO 868 Shore A	Density ISO 2781 g/cm <sup>3</sup>	Tensile Strength <sup>2</sup> ISO 37 Type 1 MPa	Tear Strength <sup>2</sup> ISO 34-1 Method C N/mm	Flammability <sup>3</sup> FMVSS 302 mm / min	Abrasion DIN 53516 mm <sup>3</sup>	Fogging 80°C ISO 6542 mg	Fogging 100°C ISO 6542 mg
Dryflex AM 55A202B	55	1.10	3.0	15	30	500	< 0.30	< 1.50
Dryflex AM 65A302B	65	1.10	4.0	20	27	450	< 0.30	< 1.50
Dryflex AM 75A302B	75	1.10	5.0	25	25	400	< 0.30	< 1.50

<sup>1</sup> After 15 seconds

<sup>2</sup> Across the flow direction

<sup>3</sup> 2mm wire supported

# Dryflex AM : SBS based

Service Temperature Range : from -50°C to +75°C (unstressed material)

Weather Resistance (air-ageing) : Moderate

	Hardness <sup>1</sup> ISO 868 Shore A	Density ISO 2781 g/cm <sup>3</sup>	Tensile Strength <sup>2</sup> ISO 37 Type 1 MPa	Tear Strength <sup>2</sup> ISO 34-1 Method C N/mm	Flammability <sup>3</sup> FMVSS 302 mm / min	Abrasion DIN 53516 mm <sup>3</sup>	Fogging 80°C ISO 6542 mg	Fogging 100°C ISO 6542 mg
Dryflex AM 55A201B	55	1.10	2.2	16	35	-	19.96	67.31
Dryflex AM 65A301B	65	1.12	6.0	22	31	400	16.97	52.08
Dryflex AM 75A301B	75	1.11	4.5	32	28	400	13.45	40.02

<sup>1</sup> After 15 seconds

<sup>2</sup> Across the flow direction

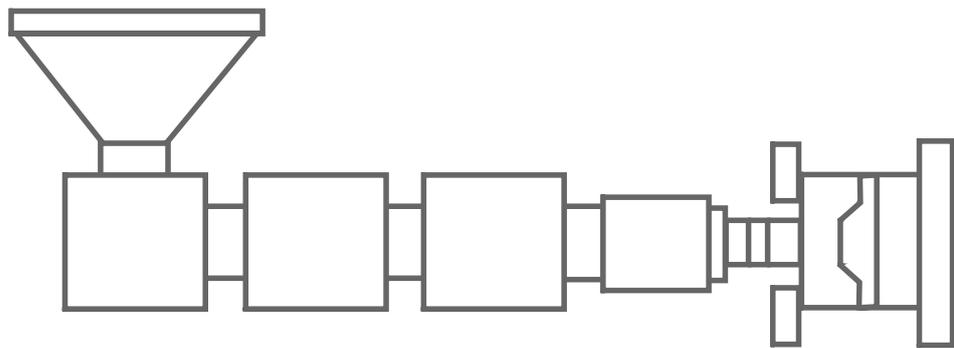
<sup>3</sup> 2mm wire supported

# Processing + Storage

Dryflex AM TPEs are optimised for **Injection Moulding**. This processing information is intended only as a guide. The actual parameters will depend on the machine used and the moulding being produced.

<b>Storage</b>	The product should be stored in a dry and cool place in the original packaging. Dryflex TPEs have an expected shelf life of minimum 12 months after shipment date.
<b>Pre-Drying</b>	Can be processed without predrying when stored under normal conditions. If poor surface finish, bubbles, voids or streaks are seen the material should be dried for 2 to 3 hours at 80°C.
<b>Injection Speed</b>	Medium - Fast
<b>Injection Pressure</b>	Medium
<b>Back Pressure</b>	Low - Medium.
<b>Holding Pressure</b>	Sufficient to pack the mould.
<b>Cycle Times</b>	Cycle times will be governed by temperature and section thickness.
<b>Cooling</b>	Care must be taken to allow sufficient cooling of the section prior to demoulding in order to prevent permanent distortion of the article.

## Recommended start-up temperatures °C



<b>SBS based</b>	170 - 190	180 - 200	190 - 210	200 - 210	20 - 60
<b>SBS/SEBS based</b>	170 - 190	180 - 200	190 - 210	200 - 220	20 - 60
<b>SEBS based</b>	170 - 210	180 - 220	190 - 230	200 - 240	20 - 60

Additional processing information is available to be download from our website [www.hexpolTPE.com](http://www.hexpolTPE.com)

The above information is to the best of our knowledge true and accurate, but any recommendations or suggestions 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. HEXPOL® and Dryflex® are registered trademarks, property of the HEXPOL Group of companies. Subject to change, check hexpolTPE.com for the latest version. EN202105