

## TPU “EXPANSO” TECHNICAL DATA SHEET

The TPU EXPANSO (expanded thermoplastic polyurethane), produced by supercritical CO<sub>2</sub>, is ZERO chemical additives during processing. The TPU Expanso material has excellent resilience, weather resistance and low compression permanent deformation. It is often used to produce mid-sole, insole, tire, sports track and other products.

Table 1 TPU Expanso properties

#	Properties	Spec.	Standard
1	Density	0.10-0.25g/cm <sup>3</sup>	ASTM D792
2	Rebounding	55-58%	ISO 8307
3	Abrasion resistance	79mm <sup>3</sup>	-
4	Flex times	> 100,000	-
5	Low temperature resistance	-20°C	-
6	Yellowing resistance	3.5-4.5	ASTM D792
7	Compression set	10-15%	-

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