

ECO Compound

Polymer — Soft TPR / TPE
Compound

Document No.	TI/TDS/CMP-01	Grade Code	TI-CMP-ECO
Issue Date	06-08-2026	Revision	00

ECO is a soft thermoplastic (TPR/TPE) compound grade for injection-moulded articles.

Typical applications: Footwear soles & straps, soft moulded goods.

SPECIFICATIONS

Parameter	Unit	Test Method	Typical Value
Density	g/cc	ASTM D792	0.95
Tensile strength (at break)	kg/cm²	ASTM D638	> 17
300% modulus	kg/cm²	ASTM D412	< 7.5
Elongation at break (uncured)	%	ASTM D638	> 850
Melt flow index	g/10 min	ASTM D1238	8
Hardness	Shore A	ASTM D2240	20

Test conditions: 21.8 °C, 52% RH. Physical properties tested on injection-moulded sheet & dumbbell, conditioned at 23 °C for 24 h.

Disclaimer: Values are typical and given in good faith; they are subject to normal production tolerance and do not constitute a warranty. The buyer is responsible for verifying suitability for their own application and process.