

Grafted Jelly

Polymer — Very Soft TPE (SEBS)

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Grafted Jelly is a very soft SEBS (styrene-ethylene-butylene-styrene) based thermoplastic elastomer compound for injection moulding.

Key Features

- Smooth, even surface; good elasticity over a wide temperature range
- PVC & latex free, recyclable
- RoHS compliant; phthalate free

Specifications

Parameter	Unit	Test Method	Specification
Specific gravity	—	ASTM D792	0.87 ± 0.06
Melt flow index (190 °C, 5.0 kg)	g/10 min	ASTM D1238	≥ 10.0
Hardness	Shore A	ASTM D2240	7 ± 3
Tensile strength	kg/cm²	ASTM D412	≥ 10.6
Elongation @ break	%	ASTM D412	≥ 858

Processing Guidelines — Moulding Temperature

Zone	Typical Value
Rear	140 ± 10 °C
Middle	150 ± 10 °C
Front	160 ± 10 °C
Head	170 ± 10 °C
Die	180 ± 10 °C

Batch COA: colour ΔE 0.49, specific gravity 0.88, MFI 63 g/10 min, hardness 5 Shore A, tensile 14 kg/cm², elongation 852%.

Pre-drying not required; optional 80–90 °C for 1–2 h for better finish.

Packaging & storage: 25 kg bags. Store in a dry place in sealed condition.

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.