

TPE 75N13

Suke

表面舒适、耐刮擦、尺寸稳定

comfortable surface, scratch resistance, size stability

产品说明 Product description

75N13 系列产品，是以 SEBS、聚氨酯 (TPU) 为基材混配制粒而成的高性能热塑性弹性体，具有优越的物理性能及加工性能。可与 PC、PC/ABS、ABS、PA 具有强劲粘接力，表面舒适、耐刮擦、尺寸稳定等特点。应用于智能穿戴、手机护套、3C 电子等产品。

75N13 series product is a high-performance thermoplastic elastomer formulated by compounding and pelletizing SEBS and polyurethane (TPU) as base materials. It offers exceptional physical properties and processing performance, with strong adhesion to PC, PC/ABS, ABS, and PA materials. Featuring a comfortable surface texture, scratch resistance, and dimensional stability, it is widely used in smart wearable devices, mobile phone cases, 3C electronics, and similar applications.

技术参数 Product Specifications

特性 Physical Properties	测试标准 Test Standard	单位 Units	典型值 Typical Value
比重 Specific gravity	ASTM D792	g/cm ³	1.112
硬度 Hardness	ASTM D2240	shoreA	75±3
拉伸强度 Tensile strength	ASTM D412	MPa	51.6
断裂延伸率 Elongation at break	ASTM D412	%	558
撕裂强度 Tearing strength	ASTM D624	Kn/m	34.3
熔融指数 Melt index gravity	ASTM D1238	g/10min	4.43

加工条件 Processing conditions

范围 Range

预干燥条件 Pre-drying Conditions	80°C, 3 Hr
射嘴温度 Nozzle temp	190°C
螺筒三段温度 Screw 1 temp	185°C
螺筒三段温度 Screw 2 temp	185°C
螺筒三段温度 Screw 3 temp	180°C

a. 以上数据为本色料的数据，染色料的性能数据可能与以上数据不一样。The above data is for the original color material, and the properties of the dyeing material may differ from the above data.

b. 典型值是指实验室的平均数据，仅用于使用时参考，不作为产品标准。Typical values refer to the average data of the laboratory, which are only used as reference and are not used as product standards.

以上数值仅供参考使用，可根据制品大小、厚度以及产品要求做出调整 The above values are only for reference, and can be adjusted according to the size, thickness and requirements of the product.

Note:

清洗料管 purge compound

需使用 PP 或 PE 清洗干净机台螺杆，且把机台射嘴彻底清除干净 please make sure you that you have cleaned the machine screw with PP or PE, and put the machine nozzle thoroughly clean

着色 coloring

请选择以 PE 或 EVA 为基材之色母，切勿使用以 PVC 为基材者。另外加工时请采用较高的螺杆转速和较高的背压，才能让着色剂达到较好的分散效果

Please select color master batch on PE or EVA material with the exception of PVC. Higher screw speed and backpressure are needed for better colorant dispersion

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