

Partially pre-expanded SBS for an innovative ultralight sole with high physical-mechanical properties and minimal environmental impact, through a new formulation in expanded rubber, for the creation of an innovative ultralight sole, with high physical-mechanical properties and a reduced environmental impact.

Property	Value	Unit	Method	Method	Propriedad
Specific Gravity	0.61	gr/cm ³	ASTM D792	DIN 53479	Densidad
Melt flow rate (180°C/5Kg)	80	gr/10'	ASTM D1238	-	Fluidez (180°C/5Kg)
Shore Hardness	60	A	ASTM D5963	DIN 53505	Dureza Shore
Abrasion Loss	< 250	mm ³	ASTM D2241	DIN 53516	Abrasión
Tensile Strength	3	MPa	ASTM D412	DIN 53504	Resistencia a la tracción
Elongation at Break	450	%	ASTM D412	DIN 53515	Alargamiento a la rotura
Tear Strength	10	kN/m	ASTM D624	DIN 53505	Resistencia al desgarro

All these physical properties are based on injection molded samples, which are conditioned at 23°C/50% for 24h. Above values are typical values and should not be used as specifications.

Processing methods: Injection, extrusion, calendaring, T-die extrusion

Complying with FDA (21CFR 177.1680, 177.2600), RoHS, REACH, etc.

Identifiers: Chemical Name: MDI/ butylene glycol/ adipic acid copolymer

Synonyms: Polyester-based TPU

CAS # 26375-23-5

PREDRYNG CONDITONS Material no need dried prior processing.

INJECTION GUIDELINES

Molding shrinkage:	1.5 ÷ 2.5%
Injection Speed:	Medium - Fast
Injection Pressure:	Medium - Fast
Back Pressure:	Low-Medium
Holding Pressure:	Sufficient to pack the mould
Cooling:	Can be demoulded when parts have sufficiently cooled
Barrel temperature °C:	T1: 150÷160 T2: 170÷180 T3: 170÷180 T4: 170÷175 T5/T6: 25 ÷ 45



