

HIPLEX TR-130

HIPLEX® TR 130, copolymer of ethylene and hexene is tailored for blown film production. Extraordinary melt toughness made possible to get film down to 0.006 mm thickness. Extruded film has high impact resistance, good tear strength, excellent antiblock and good barrier properties, low gel content and excellent sealing and printing properties.

PROCESSING RECOMMENDATIONS:

Processing temperature: 195-220°C.
Blow-up ratio: 3.5–5 : 1
Neck height: 6-10 times die diameter

PROPERTIES:

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY	ISO 1183	kg/m ³	938
MELT FLOW RATE (190°C/2,16 kg)	ISO 1133	g/10 min	0.18
TENSILE STRENGTH AT YIELD	ISO 527	MPa	18
TENSILE STRENGTH AT BREAK	ISO 527	MPa	32
ELONGATION AT BREAK	ISO 527	%	900
IZOD IMPACT STRENGTH	ISO 180	J/m	no break
SHORE D HARDNESS	ISO 868	Shore D	58
VICAT SOFTENING POINT (1 kg)	ISO 306	°C	120
ESC RESISTANCE	ASTM D 1693	h	> 1000
FLEXURAL MODULUS	ISO 178	MPa	800
DART DROP F50 *	ASTM D 1709 (film)	g	85
TEAR STRENGTH (ELMENDORF) **	ASTM D 192 (film)	g/mil	MD: 110 TD: 650

* results obtained at 25-µm film sample; blow-up ratio: 1:4

** MD – machine direction; TD – transversal direction

APPLICATION:

HIPLEX® TR 130 is suitable for production of advertising bags, industrial bags, bags for food package, and for production of composite films and blends with other kind of polyethylene.

HIPLEX® TR 130 has Health Certificate issued by Institute for Health Protection of Serbia.

The values in this review are characteristic and are provided for guidance purposes only.

For any technical information about our products please mail to SOKUP@hip-petrohemija.co.yu