



HIPLEX TR-144

HIPLEX[®] TR 144, 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^oC.

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	947
MELT FLOW RATE (190 ^o C/2,16 kg)	ISO 1133	g/10 min	0,18
TENSILE STRENGTH AT YIELD	ISO 527	MPa	21
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	64
VICAT SOFTENING POINT (1 kg)	ISO 306	^o C	124
ESC RESISTANCE	ASTM D 1693	MPa	> 1000
FLEXURAL MODULUS	ISO 178	MPa	1100
DART DROP F50 *	ASTM D 1709 (film)	g	80
TEAR STRENGTH (ELMENDORF) **	ASTM D 192 (film)	g/mil	MD: 70 TD: 700

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

** MD - machine direction; TD - transversal direction

APPLICATION:

HIPLEX[®] TR 144 is suitable for production of composite films, carrier bags and other kinds of packaging. It is also recommended for blow moulding of small and medium size containers.

HIPLEX[®] TR 144 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 laboratorija@hip-petrohemija.co.yu