

HIPTEN 22003

HIPTEN® 22003 is low density polyethylene resin developed for production of heavy-duty tubular film. HIPTEN® 22003 has outstanding mechanical properties, good optical properties and very good processability. Extruded films have good toughness, resistance to environmental stress cracking, good mechanical properties and homogeneous appearance.

PROCESSING RECOMMENDATIONS:

Processing temperature: 180-200°C.
Blow-up ratio: 2–3 : 1

PROPERTIES:

PROPERTY	TEST METHOD	UNIT	VALUE
DENSITY	ISO 1183	kg/m ³	921
MELT FLOW RATE (190°C/2,16 kg)	ISO 1133	g/10 min	0,30
VICAT SOFTENING POINT	ISO 306	°C	98
TENSILE STRENGTH AT BREAK	ISO 1184 (film)* ISO 527 (plaque)	MPa	**MD/TD: 26/23 18
TENSILE STRENGTH AT YIELD	ISO 1184 (film)* ISO 527 (plaque)	MPa	MD/TD: -/11 10
ELONGATION	ISO 1184 (film)* ISO 527 (plaque)	%	MD/TD: 400/650 700
HARDNESS	ISO 868	Shore D	46
HAZE	ASTM D 1003	%	12
GLOSS	ASTM D 2457	%	6
DART DROP F50	ASTM D 1709	g	180
TEAR STRENGTH (ELMENDORF)	ASTM D 1922	g	MD/TD: 350/500

*Results obtained at 38 µm film sample, blowup ratio 2,7: 1

** MD – machine direction; TD – transversal direction

APPLICATION:

Production of heavy-duty bags for packaging industrial products (fertilizers, solid chemicals, pellets etc.), agriculture films, heavy-duty shrink films, etc.

HIPTEN® 22003 has Health Certificate issued by the 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