

HIPLEX® TR 130

High Density Polyethylene

HIP-PetroHemija

Technical Data

Product Description

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.

Applications:

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. Also, HIPLEX® TR-130 has Statement of Conformity, which declares product's conformity with the European norms for materials intended to come into contact with foodstuffs. Statement of Conformity is issued by Institute for Public Health, Maribor, Slovenia.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Availability	• Asia Pacific	• Europe	
Additive	• Antiblock		
Features	• Antiblocking • Barrier Resin • Copolymer • Excellent Printability	• Food Contact Acceptable • Good Heat Seal • Good Melt Strength • Good Tear Strength	• Hexene Comonomer • High Impact Resistance • Low Gel
Uses	• Bags • Blending	• Film • Food Packaging	
Agency Ratings	• EC 1907/2006 (REACH)		
Forms	• Pellets		
Processing Method	• Blown Film	• Film Extrusion	

Physical	Nominal Value Unit	Test Method
Density	0.938 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.18 g/10 min	ISO 1133
Environmental Stress-Cracking Resistance F50	> 1000 hr	ASTM D1693B

Mechanical	Nominal Value Unit	Test Method
Tensile Stress		ISO 527-2
Yield	18.0 MPa	
Break	32.0 MPa	
Tensile Strain (Break)	900 %	ISO 527-2

Films	Nominal Value Unit	Test Method
Tensile Stress		ISO 527-3
MD: Yield	24.0 MPa	
TD: Yield	19.0 MPa	
MD: Break	43.0 MPa	
TD: Break	33.0 MPa	
Tensile Elongation		ISO 527-3
MD: Break	550 %	
TD: Break	700 %	
Dart Drop Impact	88 g	ASTM D1709
Elmendorf Tear Strength		ASTM D1922
MD	110 g	
TD	650 g	

Impact	Nominal Value Unit	Test Method
Notched Izod Impact	No Break	ISO 180