



ZARPLS™ LD3731

Technical Datasheet

LDPE High Performance Compound

Product Description

ZARPLS™ LD3731 is offering a good balance of optical and mechanical properties. Film made from these compound exhibits superior impact strength and heat seal ability and for Jacketing/Insulation.

ZARPLS™ LD3731 is compound of LDPE base polymer with Processing Aid , pack of Anti-Oxidants based on Pentaerythrityle Tetrakis[β-(3.5-di-tert-butyl,4-hydroxyphenyl)-propionate] with less than 0.5%.

General Information

Applications	• Cable Jacket/Insulation	• Lamination Film	• Cast Film	• Produce Bags
	• Compounding	• Textile Packaging	• Light duty Shrink Film	• Liner
Additive	• Anti-Static : NO	• Processing Aid : YES	• Slip : NO	• Thermal Stabilizer : YES
Form(s)	• Pellets			

Basic Properties

	Typical Value	Test Method
Density	0.93 gr/cm3	ASTM D1505 - ISO 1183
Melt Index (190°C/2.16 kg)	1.8 gr/10 min	ASTM D1238 - ISO 1133
Melt Index (190°C/5 kg)	6 gr/10 min	ASTM D1238 - ISO 1133
Tensile Strength at Break	10 N/mm2	IEC 60811
Elongation at Break	400 %	IEC 60811

Parameters and Properties associated with Extruded films (For information)

	Typical Value	Test Method
Melting Point	114 °C	ASTM D 2117
Tensile Strength at Yield MD	10 MPa	ASTM D882
Tensile Strength at Yield TD	11 MPa	ASTM D882
Tensile Strength at Break MD	30 MPa	ASTM D882
Tensile Strength at Break TD	23 MPa	ASTM D882
Elongation at Break MD	240 %	ASTM D882



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Elongation at Break TD	550 %	ASTM D882
Secant Modulus MD - 1% Secant	200 MPa	ASTM D882
Secant Modulus TD - 1% Secant	260 MPa	ASTM D882
Gloss	50	ASTM D2457
Haze	<15	ASTM D1003

Notes

This product is not intended for use in medical applications and should not be used in any such applications. Typical properties: these are not to be construed as specifications.

Value reported is an estimate based on ZARPOLYMER correlation from melt flow rate data measured at other standard conditions, based on ASTM D 1238.

Packaging

Package: 25 kg plastic sealed bags – Packed on wooden Pallets (13750kg or upon request)
500 kg to 1500 kg in strong reinforced Jumbo-Bags (Upon request)

Processing Statement

1. Values are typical and should not be interpreted as specifications. Values may change with future development.
2. All molded properties were measured on compression molded plaques