

Datasheet of Low Density Polyethylene LDPE LFI 2047A

Description:

LFI 2047A is a low density polyethylene, with good toughness and good optical properties. LFI 2047A contains a medium level of antiblock and slip agent (Erucamide) additives. This grade offers low energy consumption and good draw down ability during processing. It typically exhibits low friction and low blocking properties. LFI 2047A has been manufactured under SABTEC licensed technology.

Properties	Value ⁽¹⁾	unit	Test method
Physical Properties			ISO 1133
MFI (190 °C / 2.16 Kg)	4.7	dg/min	ISO 1183 (A)
Density	920	Kg/m ³	
Mechanical properties ⁽²⁾			
Impact strength	15	KJ/m	ISO 7765-2
Tear strength (TD)	25	KN/m	ISO 6383-2
Tear Strength (MD)	80	KN/m	ISO 6383-2
Yield stress (TD)	11	MPa	ISO 527-1/3
Yield stress (MD)	12	MPa	ISO 527-1/3
Tensile Stress at break (TD)	15	MPa	ISO 527-1/3
Tensile Stress at break (MD)	27	MPa	ISO 527-1/3
Strain at Break (TD)	>500	%	ISO 527-1/3
Strain at Break (MD)	100	%	ISO 527-1/3
Modulus of Elasticity (TD)	200	MPa	ISO 527-1/3
Modulus of Elasticity (MD)	200	MPa	ISO 527-1/3
Coefficient of friction	0.2		ASTM D 1894
Blocking	20	g	SABTEC method
Re-blocking	10	g	SABTEC method
Optical properties ⁽²⁾			
Haze	9	%	ASTM D 1003A
Gloss(45°)	55	%	ASTM D 2457
Clarity	21	mV	
<i>Additive: Antioxidant , Slip agent, Anti blocking agent</i>			

Application:

Packaging Film, High clarity laundry bags, Surface protection films, Textile wrapping films, Zip lock bags



Unit 302, Sheydaei BLV., Sazman Ab



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