

 ASPC	Process Optimization		
	Doc Name:	Product Data sheet - LDPE- Low Density Polyethylene LFI 2125A	Page: 1 of 2
	Doc No.	TEC-PRO-PDS-002	Rev: 5

Typical Data

Properties	Value	unit	Test method
Physical Properties			ISO 1133
MFI (190 °C / 2 .16 Kg)	2.5	dg/min	ISO 1183 (A)
Density	921	Kg/m3	
Mechanical properties			
Impact strength	23	KJ/m	ASTM D 4272
Tear strength (TD)	25	KN/m	ISO 6383-2
Tear Strength (MD)	70	KN/m	ISO 6383-2
Yield stress (TD)	11	MPa	ISO 527
Yield stress (MD)	13	MPa	ISO 527
Tensile Stress at break (TD)	19	MPa	ISO 527
Tensile Stress at break (MD)	30	MPa	ISO 527
Strain at Break (TD)	>500	%	ISO 527
Strain at Break (MD)	>100	%	ISO 527
Modulus of Elasticity (TD)	180	MPa	ISO 527
Modulus of Elasticity (MD)	190	MPa	ISO 527
Coefficient of friction	0.2		ASTM D 1894
Blocking	<5	g	SABTEC method
Re-blocking	0	g	SABTEC method
Optical properties			
Haze	9	%	ASTM D 1003A
Gloss(45°)	60	%	ASTM D 2457
Clarity	30	mV	
Additive: Antioxidant , Slip agent, Anti blocking agent			

Film properties have been measured at 25µm with a BUR of 3.

Application

LFI 2125A is suitable for packaging films and is especial suitable when ultimate down gauging is required.

General information

LFI 2125A has been manufactured using SABTEC licensed technology.

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Arya Sasol Polymer Company
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