

PRODUCT DATA SHEET

Product Category	Product Name	Grade
Polymers	POLYETHYLENE – LDPE	2047 - 37

Property	Value	Unit	Test Method
Physical Properties			ISO1133
MFI(190 0C /2 .16 Kg)	4.7	dg/min	ISO 1183 (A)
Density	920	Kg/m3	
Impact strength	15	KJ/m	ASTM D 4272
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
Yield stress (MD)	12	MPa	ISO 527
Tensile Stress at break (TD)	15	MPa	ISO 527
Tensile Stress at break (MD)	27	MPa	ISO 527
Strain at Break (TD)	>500	%	ISO 527
Strain at Break (MD)	100	%	ISO 527
Modulus of Elasticity (TD)	200	MPa	ISO 527
Modulus of Elasticity (MD)	200	MPa	ISO 527
Coefficient of friction	0.2		ASTM D 1894
Blocking	20	g	SABTEC method
Re-blocking	10	g	SABTEC method
Haze	9	%	ASTM D 1003A
Gloss(45o)	55	%	ASTM D 2457
Clarity	21	mV	

Application	2047/37 intended for very thin film, requiring very good optical properties and thus very suitable for laundry and textile packaging.
Packaging	25 Kg plastic bag