Producer	Characteristic Properties	Applications	Additive
Arya Sasol Petrochemical	Very good optical properties Good toughness Good melt strength	Blown film extrusion Packaging film General lamination films Used for nylon packaging	Antioxidant: Yes Antiblock : No Slip Agent : No

Typical Properties

Resin Properties	Unit	T y p i c a l	ASTM Method
MFI (190 °C /2.16 Kg)	dg/min	1.9	ISO 1133
Density	kg/m3	921	ISO 1183

Thermal Properties	Unit	Typical Value	Test Method
Haze	%	9	ASTM D1003 A
Gloss (45°)	%	55	ASTM D2457

Mechanical Properties	Unit	Typical Value	Test Method
Impact Strength	kJ/m	26	ASTM D4272
Tear Strength (TD/MD)	kN/m	25/60	ISO 6383-2
Yield Stress (TD/MD)	MPa	11/13	ISO 527-1,3
Tensile Stress at Break (TD/MD)	MPa	20/35	ISO 527-1,3
Strain at Break (TD)	%	> 500	ISO 527-1,3
Modulus of Elasticity (TD/MD)	MPa	200/190	ISO 527-1,3
Coefficient of Friction	-	>1	ASTM D1894
Blocking	g	20	ASTM D3354