Producer	Characteristic Properties	Applications	Additive
Arya Sasol Polymer Company	High tear resistance High melt stability High quality graphic printing	Blown film extrusion- Uni/multi wall packaging- High quality thin films- Shopping bagsHigh strength grocery sacks.	Antioxidant: Yes Zinc Stearate: Yes Antiblock: No Slip Agent: No

Typical Properties

Resin Properties	Unit	Typical	ASTM Method
High Load Melt Flow Index (190°C/ 21.6 kg)	g/10 min	10	ISO 1133
Density	g/cm3	0.951	ISO 1183

Thermal Properties	Unit	Typical Value	Test Method
Melting Temperature	%	9	ASTM D1003 A
Vicat Softening Temperature (Method A/10N)	%	55	ASTM D2457

Mechanical Properties	Unit	Typical Value	Test Method
Tensile Modulus of Elasticity	MPa	1050	ISO 527-1,2
Tensile Strength (MD/TD)	MPa	55/55	ISO 527-1,3
Tensile Strain at Break (MD/TD)	%	580/620	ISO 527-1,3
Tensile Stress at Yield	MPa	26	ISO 527-1,3
Tensile Strain at Yield	%	10	ISO 527-1,3
Elmendorf Tear Strength (MD/TD)	mN	250/800	ISO 6383-2