

QAMAR HDPE F1

High Density Polyethylene

SPDC Ltd.

Technical Data

Item		Grade		F1
		Test Method	Unit	
MI*1		ISO 1872-2	g/10min	0.05
HLMI*2		ISO 1872-2	g/10min	9
Density		ISO 1872-2	g/cm ³	0.952
Film Tickness		-	µm	20
Haze		ISO 14782	%	50
Dart Drop Impact		ISO 7765	g	150
Tensile Stress at Break	MD	ISO 527-3	MPa	60
	TD			55
Nominal Tenslle Strain at Break	MD	ISO 527-3	%	270
	TD			610
Modulus of Elasticity in Tension	MD	ISO 527-3	MPa	1,350
	TD			1,550
Elmendorf Tear Strength	MD	ISO 6383-2	N/mm	5
	TD			35
Processing Conditions		Resin Temperature		200°C
		Blow up Ratio		3
		Extruder		50mmØ L/D=28
		Air Ring		SINGLE SLIT
		Die		100mmØ LIP GAP=1mm
		Output		60kg/h
		Take off Speed		60m/min

*1 Melt Index(2.16kg)

*2 High Load Melting Index (21.6kg)