

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 Thickness	-	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 Tensile 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)