# 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 | | - | m | 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 Temparature | | 200℃ |
| | | Blow up Ratio | | 3 |
| | | Extruder | | 50mm⌀ L/D=28 |
| | | Air Ring | | SINGLE SLIT |
| | | Die | | 100mm⌀ LIP GAP=1mm |
| | | Output | | 60kg/h |
| | | Take off Speed | | 60m/min |

*1 Melt Index(2.16kg)
*2 High Load Melting Index (21.6kg)