



ROYAL GLOBAL ENERGY

RGE's core business Oil, Gas, Refining and Petrochemicals

Product Name: LLDPE			
Properties	Units SI	Values	Test methods
Melt flow rate (MFR) at 190 °C and 2.16 kg	g/10 min	50	ASTM D 1238
Density	kg/m ³	926	ASTM D 1505
Tensile test			ASTM D 638
stress at yield	MPa	13	ASTM D 638
stress at break	MPa	12.4	ASTM D 638
strain at break	%	120	ASTM D 638
secant modulus at 1% elongation	MPa	354	ASTM D 638
Izod impact notched at 23 °C	J/m	450	ASTM D 256
Hardness Shore D	-	55	ASTM D 2240
ESCR	h	2	ASTM D 1693
Vicat softening temperature at 10 N (VST/A)	°C	88	ASTM D 1525
Brittleness temperature	°C	<-75	ASTM D 746