

INTRODUCTION OF PETROCHEMICAL PRODUCTS

LOW DENSITY POLYETHYLENE (L.D.P.E)

LIM 1922

INJECTION GRADE / ARIYA SASOL

DATASHEET	VALUE	UNIT	TEST CONDITIONS	TEST METHOD
Density	0.919	g/cm ³		ISO 1183
MFI	22	g/10min	2.16Kg / 190°C	ISO 1133
MFI	75	g/10min	5Kg / 190°C	ISO 1133
MVR	29	cm ³ /10min	2.16Kg / 190°C	ISO 1133
MVR	98	cm ³ /10min	5Kg / 190°C	ISO 1133
ESCR	3	h	SABTEC Method	
Hardness Ball Indentation	16	MPa	49N Applied Load	ISO 2039-1
Hardness Shore D	45			ISO 868
Izod Impact, Notched	42	kJ/m ²	at +23°C	ISO 180
Izod Impact, Notched	5	kJ/m ²	at -30°C	ISO 180
Tensile Creep Modulus	80	MPa	After 1 Hour	ISO 899-1
Tensile Creep Modulus	45	MPa	After 1000 Hours	ISO 899-1
Tensile Elongation at Break	400	%		ISO 527
Tensile Modulus	175	MPa		ISO 527
Tensile notched impact strength	86	kJ/m ²	16Mpa Maximum Tension, 8.4% Elongation at Break	ISO 8256
Tensile Strength at Break	7	MPa		ISO 527
Tensile Strength at Yield	8	MPa		ISO 527
Enthalpy change	104	J/g		DIN 53765
Heat Deflection Temperature	39	C°	At 0.45MPa (HDT/B)	ISO 75
Melting Point	105	C°		DIN 53765
Vicat Softening Point	82	C°	At 10N (VST/A)	ISO 306

* Typical values not to be construed as specifications.

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