

INTRODUCTION OF PETROCHEMICAL PRODUCTS

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

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INJECTION GRADE / LALEH Pet.Co.

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		
Hardness Ball Indentation	16	MPa	Applied load 49 N	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	at 8.4% elongation at break & 16Ma maximum tension	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 0.46MPa	ISO 75
Melting Point	105	°C		DIN 53765
Vicat Softening Point	82	°C	10N, VST/A	ISO 306

- Manufacturer: Laleh Pet.co.

- Application: It is used for applications that require a good balance between flow properties and mechanical properties e.g. toys, household articles, clamping lids..

- Process: Injection Molding.

PETRO BAMDAD AZARAN

ENGINEERING & TRADING CO

Add: No.148, Motahari St., Tehran, Iran -- Tel: +98 21 87700799 -- Email/Web:

info@petrobam.com/www.petrobam.com