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LALEH PETROCHEMICAL COMPANY

LOW DENSITY POLYETHYLENE LDPE 1922T

LDPE 1922T is a low-density polyethylene grade developed for applications requiring a good balance between flow properties and mechanical properties.

Producer	Characteristic Properties	Applications
LALEH	Good drawdown ability - Good mechanical properties Food contact grade - Good flowability Excellent toughness and impact resistance	Toys - Houseware Snap-on lids - Base resin for masterbatches

Typical Properties

Resin Properties	Unit	Typical	Test Method
Density	kg/m ³	919	-
Melt Flow Rate (MFR) 2.16 kg	dg/min	22	-
Melt Volume Rate (MVR) 2.16 kg	dg/10 min	29	-
Stress at yield	Mpa	8	-
Stress at break	Mpa	7	-
Strain at break	%	400	-
Tensile modulus	Mpa	175	-
Creep modulus after 1 hour	Mpa	80	-
Notched Izod at + 23 °C	Kj/m ²	42	-
Elongation at break	%	8.4	-
Hardness Shore D	%	700	-
Ball indentation hardness	Mpa	16	-
ESCR	h	3	-
Vicat softening temperature	°C	82	-