

LDPE 1922T

Injection Molding

Property	Unit	Value	Test Method
MFR* at 190°C and 2.16 kg	dg/10min	22	ISO 1133
MFR* at 190°C and 5 kg	dg/10min	75	
Density*	kg/m ³	919	ISO 1183 (A)
Formulation			
Anti oxidant**	ppm	600±60	DSM METHOD
Anti block	ppm	-	
Slip	ppm	-	
Mechanical			
Tensile Strength@ yield	MPa	8	ISO 527/2
Tensile Strength@ Break	MPa	7	ISO 527/2
Elongation@ break	%	400	
Hardness Shore D	-	45	ISO 868
ESCR	h	3	DSM Method
Tensile Modulus	MPa	175	ISO 527/2
Creep Modulus after 1h	MPa	80	ISO 899
Ball indentation hardness	MPa	16	ISO 2039-1
Izod Impact Notched	kJ/m ²	42	ISO 180/A
Thermal			
Vicat Softening Temp.	°C	82	ISO 306
Heat Deflection Temp.	°C	39	ISO 75
Melting Temp.	°C	105	DIN 53765

* The values given for MFR and Density are targeted values. This exact values are guaranteed by licensor within applicable given ranges.

** By customer request

Applications:

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

Laleh petrochemical company