



LDPE

LDPE L1922T

Low Density Polyethylene for Injection Moulding

Application

The grade especially developed for applications requiring a good balance between flow properties and mechanical properties, e.g. toys, houseware, snap-on lids.

SURIN



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Typical data - L1922T

Properties	Value	Unit	Test Method
Polymer Properties			
Density 1)2)	919	kg/m ³	
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	22	dg/min	
at 190 °C and 5 kg	75	dg/min	
Melt Volume Rate (MVR)			
at 190 °C and 2.16 kg	29	dg/10 min	
at 190 °C and 2.16 kg	98	dg/10 min	
Mechanical Properties 2)			
Tensile test 3)4)			
Stress at yield 6)	8	MPa	
Stress at break 6)	7	MPa	
Strain at break 6)	400	%	
Tensile modulus 5)	175	MPa	
Creep modulus 7)			
after 1 hour	80	MPa	
after 1000 hour	45	MPa	
Notched Izod 3)8)			
at + 23 °C	42	KJ/m ²	
at - 30 °C	5	KJ/m ²	
Tensile impact test 3)9)		KJ/m ²	
Notched tensile impact strength	86	%	
Elongation at break	8.4	MPa	
Maximum tension	16	-	
Hardness Shore D 3)10)	45		
Ball indentation test 3)		N	
Applied load	49	MPa	
Ball indentation hardness	16	h	
ESCR 3)11)	3		
Thermal properties		°C	
Heat deflection temperature		°C	
at 0.45 MPa (HDT/B)	39		
Vicat softening temperature		°C	
at 10 n (VST/A)	82	J/g	
DSC test			
Melting point 12)	105		
Enthalpy change	104		