

TOTAL Polyethylene LDPE 1022 FN 24

(Injection)

Low Density Polyethylene

TOTAL Refining & Chemicals

Message:

LDPE 1022 FN 24 is a low density polyethylene made by a high pressure autoclave process.

Grade adapted to the production of flexible parts with a high production rate.

Application examples: caps, closures, lids, household items, master-batches.

General Information	
Features	Low density
	Good flexibility
Uses	Composite
	Cover
	Shield
	Household goods
	Masterbatch
	Shell
Agency Ratings	EC 1907/2006 (REACH)
RoHS Compliance	RoHS compliance
Forms	Particle
Processing Method	Composite
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	47		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	260	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	10.0	MPa	ISO 527-2
Fracture	11.0	MPa	ISO 527-2
Tensile Strain (Break)	520	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ISO 306

Melting Temperature	110	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 250	°C	
Mold Temperature	30 - 40	°C	

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