

Product Data

TITANLENE LDI300YY FOR INJECTION MOLDING

CHARACTER	LDI300YY is a low density polyethylene resin for injection molding and is a barefoot grade. LDI300YY meets the U.S. Food and Drug Administration (FDA) criteria for food contact use as specified in 21 CFR 177.1520 (c) 2.1 & (c) 2.2.
APPLICATIONS	Medium sized molding, Cosmetic containers, Bottle closures, Food containers.
ADVANTAGES	High stiffness, good toughness, excellent gloss.

<u>TYPICAL RESIN PROPERTIES</u>	<u>UNIT</u>	<u>LDI300YY^(a)</u>	<u>ASTM METHOD^(b)</u>
Melt index	g/10 min	20	D1238
Density	g/cm ³	0.920	D1505
Vicat softening point	°C	87	D1525

TYPICAL MECHANICAL PROPERTIES

Tensile strength at yield	kg/cm ²	120	D638
Tensile strength at break	kg/cm ²	100	D638
Elongation at break	%	120	D638
1% Secant modulus	kg/cm ²	1900	D638
Low temperature brittleness	°C	-35	D746

(a) Values shown are typical and are not to be considered as specifications.

(b) ASTM test methods are latest under the Society's current procedures.

Processing conditions

Melt temperature : 160 - 240°C
Mold temperature : 15 - 50°C

Shrinkage : 1.3 - 3.0% depending on the product wall thickness and molding parameters.

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