

TECHNICAL DATA SHEET

TRICOLENE LDI25925

Low Density Polyethylene

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ADDING A WORLD OF VALUE

PRODUCT DESCRIPTION

This type of LDPE is a homopolymer of ethylene produced in an autoclave polymerization process

PROCESSING METHODS

Injection Molding
Compounds Extrusion

CHARACTERISTICS

Good Flexibility
Excellent Flow
Good Warpage Resistance

APPLICATIONS

Housewares
Personal Care Products
Color and Additives Masterbatches

RESIN PROPERTIES

Melt Flow Rate 2.16 kgf/190 °C MFR₂
Density 23 °C
Antioxidant Package

TEST METHOD

ASTM D1238
ASTM D1505

VALUES, ENGLISH UNITS

25.0 g/10 min
0.925 g/cm³
Yes

VALUES, INTERNATIONAL UNITS

25.0 g/10 min
0.925 g/cm³
Yes

MECHANICAL PROPERTIES

Tensile Strenght at Yield
2,0 in/min (50,8 mm/min), Type IV compression molded plaque
Tensile Elongation at Break
2,0 in/min (50,8 mm/min), Placa IV por Compresion
Flexural Modulus
Initial Tangente - 0,051 in/min (1,3 mm/min)
Shore Hardness
Escala D, 15 s

TEST METHOD

ASTM D638
ASTM D638
ASTM D790A
ASTM D2240

VALUES, ENGLISH UNITS

1,700 psi
150 %
48,000 psi
51.0

VALUES, INTERNATIONAL UNITS

12 MPa
150 %
331 MPa
51.0

OTHER PROPERTIES

Vicat Softennig Temperature - VST
10 N (1 kg), 50 °C/h

TEST METHOD

ASTM D1525

VALUES, ENGLISH UNITS

197 °F

VALUES, INTERNATIONAL UNITS

92 °C

The data presented here is true and accurate to the best of our knowledge. Likewise, the values are nominal and should not be taken as minimum or maximum specifications. No warranty, express or implied, is made regarding resin performance. The customer must validate these properties according to his own evaluations on his machine and in his laboratory.

REGULATORY COMPLIANCE

This resin complies with the following FDA regulation: 21 CFR 177.1520: Olefinic Polymers. This regulation describes polyolefin resins that can be used safely for food packaging and preservation at low temperatures and at ambient temperatures. This resin is not designed for use in medical applications and should not be used in such applications.

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