

LANUFENE[®] HDB-5224

MFI 24.0

High Density Polyethylene

Density 0.952

Description

LANUFENE[®] HDB-5224 is a high density polyethylene copolymer specially developed for small size bottles application. LANUFENE[®] HDB-5224 combines good toughness and rigidity with excellent processability.

Typical Properties

Property ⁽²⁾	ASTM Method	Unit	Value ⁽¹⁾
Melt Index, 190°C, 2.16kg	D1238	g/10min.	0.25
High Load Melt Index (MFI), 190°C, 21.6kg	D1238	g/10 min.	24.0
Density, @ 23°C	D1505	g/cm ³	0.952
Ultimate Tensile Strength	D638	MPa	30
Elongation	D638	%	800
Notched Izod Impact	D256/A	J/m	160
Vicat Softening Temperature	D1505	°C	125
Low Temperature Brittleness	D746	°C	< -70
Environmental Stress Crack Resistance, F ₅₀	D1693	hrs	100

1. Values are typical and should not to be interpreted as specification.

2. Test specimen prepared from compression molded sheet made according to ASTM D1926.

Application

LANUFENE[®] HDB-5224 is particularly suitable for the manufacture of antifreeze bottles, bleach bottles, household and industrial chemical (HIC) containers.

LANUFENE[®] HDB-5224 may be used in drain water, irrigation and conduit pipes applications.



Ras Lanuf Oil & Gas Processing Co.