

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 process-ability.

Typical Properties

Property ⁽²⁾	ASTM Method	Unit	Value ⁽¹⁾
Melt Index, 190°C, 2.16 kg	D1238	g/10 min	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..



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Processing Conditions

LANUFENE HDB 5224 can be processed by conventional HDPE extrusion blow molding machinery. Recommended melt temperature is 170 - 220°C.

Food Contact Regulations

LANUFENE HDB 5224 complies with food packing and food regulations in most countries. If required, please contact us for details.

Storage & Handling

LANUFENE HDB 5224 should be stored in dry conditions at temperature below 50°C and protected from UV-light. Improper storage can initiate degradation with resulting order generation and color changes.

Safety

LANUFENE HDB 5224 is not classified a dangerous preparation. Material Safety Data Sheet is available upon request.

Packaging

The standard packaging of LANUFENE HDB 5224 is 25kg PE FFS bag with pallet and PE shrink wrapping. Big bags, 500/1,000kg, are available.



Ras Lanuf Oil & Gas Processing Co.