

Lanufene HBD-5224

High Density Polyethylene

Ras Lanuf Oil & Gas Processing Company (RASCO)

Message:

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.

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..

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Toughness		
	High Rigidity		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Industrial Containers		
	Pails		
	Piping		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.25	g/10 min	
190°C/21.6 kg	24	g/10 min	
Environmental Stress-Cracking Resistance (F50)	100	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	800	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	160	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	125	°C	ASTM D1525

Extrusion	Nominal Value	Unit
Melt Temperature	170 to 220	°C

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