

ALCUDIA® HDPE 5502-A

High Density Polyethylene
REPSOL

Message:

ALCUDIA® 5502A is a high-density polyethylene copolymer of hexene, with high molecular weight. It is specially designed to make, by blow molding-extrusion, tanks of medium size bottles for mineral water and other drinkable goods. This grade contains stabilizers according to the end use of the item in order to reinforce the thermal stability.

TYPICAL APPLICATIONS

Packaging of water and other drinkable goods.

Recommended melt temperature range from 180 to 200°C. Processing conditions should be optimised for each production line.

General Information			
Additive	Heat Stabilizer		
Features	Food Contact Acceptable		
	Heat Stabilized		
	Hexene Comonomer		
	High Molecular Weight		
Uses	Blow Molding Applications		
	Bottles		
	Packaging		
	Tanks		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.956	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.40	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (50°C, 10% Igepal, F50)	25.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	27.0	MPa	ISO 527-2
Tensile Strain (Break)	800	%	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°C	ISO 306/A
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 200	°C	

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Recommended distributors for this material

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