

ALCUDIA® HDPE 55250I

High Density Polyethylene
REPSOL

Message:

ALCUDIA® 55250I is a high density polyethylene grade of high fluidity intended for those injection moulding applications in which an excellent processability is required as well as good mechanical properties.

TYPICAL APPLICATIONS

- Caps and closures
- Food containers and domestic packaging
- Toys and leisure

Recommended melt temperature range from 180 to 240°C. Processing conditions should be optimised for each production line.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	High Flow		
Uses	Caps		
	Closures		
	Containers		
	Food Containers		
	Packaging		
	Toys		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Flexural Modulus	1000	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ISO 306/A
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 240	°C	

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