

ALCUDIA® HDPE 6080 IUV

High Density Polyethylene
REPSOL

Message:

ALCUDIA® 6080IUV is a high density polyethylene grade of high fluidity intended for those injection moulding applications in which an excellent balance of mechanical properties and good flow properties are required. Technical benefits this grade offers are:

- Easy mould filling and quick release from the mould
- Good mechanical and physical properties
- UV-light protection

TYPICAL APPLICATIONS

Due to its good balance of mechanical and flow properties, ALCUDIA® 6080IUV is particularly intended for application in which good mechanical properties and weathering resistance are required:

- Crates, boxes and storing cases
- Rigid and industrial packaging

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

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Moldability		
	High Flow		
Uses	Crates		
	Industrial Applications		
	Packaging		
Agency Ratings	EU Food Contact, Unspecified Rating		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Flexural Modulus	1300	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ISO 306/A
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 240	°C	

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