

PCC HD 3840 UA

Polyethylene Copolymer
PCC Plastics & Consultations Center

Message:

HD 3840 UA is an UV virgin medium density polyethylene copolymer grade with a narrow molecular weight distribution supplied in a pellet form.

Characteristics:

- Excellent Processability
- Impact strength
- High Stiffness
- Excellent internal and external surface finish

Applications:

- Rotational moulded items: tanks and containers
- Injection moulded technical parts and closures

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Good Processability		
	Good UV Resistance		
	High Stiffness		
	Medium Density		
	Medium Impact Resistance		
	Narrow Molecular Weight Distribution		
Uses	Closures		
	Containers		
	Tanks		
Forms	Pellets		
Processing Method	Injection Molding		
	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (23°C, F50)	200	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	18.0	MPa	Internal Method
Tensile Strain ² (Break)	1400	%	Internal Method
Flexural Modulus	750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Unnotched Impact Strength ³	20	kJ/m ²	Internal Method
NOTE			
1.	BP 13B/1		
2.	BP 13B/1		
3.	BP 13C/26		

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