

PCC HD 6070 UA

High Density Polyethylene

PCC Plastics & Consultations Center

Message:

HD 6070 UA is a high density polyethylene grade with a narrow molecular weight distribution, suitable for a wide range of injection molding applications.

Characteristics:

Easy Processing

Good Impact Strength

High Rigidity

High Warpage Resistance

Applications:

Crates

Boxes

Seats

Pallets

General Information			
Additive	UV Stabilizer		
Features	Good Impact Resistance		
	Good Processability		
	Good UV Resistance		
	High Density		
	High Rigidity		
	Narrow Molecular Weight Distribution		
	Warp Resistant		
Uses	Crates		
	Pallets		
	Seats		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (23°C, F50)	55.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Yield)	31.0	MPa	Internal Method
Tensile Strain ² (Break)	> 1000	%	Internal Method
Flexural Modulus	1400	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	6.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Vicat Softening Temperature	127	°C	ISO 306
NOTE			
1.	BP 13B/1		
2.	BP 13B/1		

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