

# NPC PE HD6070UA

High Density Polyethylene  
NPC Alliance Corporation

Message:

HD6070UA is a narrow molecular weight high density polyethylene with UV stabilizer. It is suitable for a wide variety of injection molding applications. HD6070UA offers high rigidity, good impact strength and good weatherability.

APPLICATIONS

Boxes and Buckets  
Pallets and Crates  
Automotive parts  
Seats

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
	Good Weather Resistance		
	High Impact Resistance		
	High Rigidity		
	Narrow Molecular Weight Distribution		
Uses	Automotive Applications		
	Containers		
	Crates		
	Pails		
	Pallets		
	Seats		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1250	MPa	ISO 527-2
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Tensile Strain (Break)	> 300	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	6.0	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	132	°C	ASTM D2117
Thermal Conductivity	0.48	W/m/K	ASTM C177

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