

EGYPTENE HD 6070 UA

High Density Polyethylene
Sidpec (Sidi Kerir Petrochemicals Co.)

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

General Information			
Additive	UV Stabilizer		
Features	Good Processability		
	High Density		
	High Impact Resistance		
	High Rigidity		
	Narrow Molecular Weight Distribution		
	Warp Resistant		
Uses	Crates		
	Seats		
Agency Ratings	EU No 10/2011		
Forms	Pellets		
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 (Yield)	31.0	MPa	Internal Method
Tensile Strain (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

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