

EGYPTENE HD 5740 UA

High Density Polyethylene
Sidpec (Sidi Kerir Petrochemicals Co.)

Message:
HD 5740 UA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty articles

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Good Impact Resistance		
	Good Processability		
	High Density		
	High Rigidity		
	Narrow Molecular Weight Distribution		
	Warp Resistant		
Uses	Crates		
	General Purpose		
	Waste Containers		
Agency Ratings	EU No 10/2011		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	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)	> 50.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	Internal Method
Tensile Strain (Break)	> 1000	%	Internal Method
Flexural Modulus	1250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	10	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306

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