

EGYPTENE HD 5218 EA

High Density Polyethylene
Sidpec (Sidi Kerir Petrochemicals Co.)

Message:

HD 5218 EA is an easy flow high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Fast Molding Cycle		
	Good Flow		
	High Density		
	Narrow Molecular Weight Distribution		
Uses	Cups		
	Food Containers		
	Household Goods		
	Thin-walled Parts		
Agency Ratings	EU No 10/2011		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	18	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	27.0	MPa	Internal Method
Tensile Strain (Break)	> 1000	%	Internal Method
Flexural Modulus	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	5.0	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ISO 306

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