

# EGYPTENE HD 5211 EA

High Density Polyethylene  
Sidpec (Sidi Kerir Petrochemicals Co.)

Message:  
HD 5211 EA is an easy flow high density polyethylene copolymer grade with a narrow molecular weight distribution.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Good Flow		
	Good Impact Resistance		
	High Density		
	High ESCR (Stress Crack Resist.)		
	Narrow Molecular Weight Distribution		
Uses	Caps		
	Household Goods		
	Pails		
	Toys		
Agency Ratings	EU No 10/2011		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm <sup>3</sup>	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	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	1150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	5.0	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	123	°C	ISO 306

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Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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