

# EGYPTENE HD 3840 UA

Medium Density Polyethylene  
Sidpec (Sidi Kerir Petrochemicals Co.)

Message:  
HD 3840 UA is an UV virgin medium density polyethylene copolymer grade with a narrow molecular weight distribution supplied in a pellet form.

General Information	
Additive	UV Stabilizer
Features	Copolymer
	Good Impact Resistance
	Good Processability
	Good Surface Finish
	High Stiffness
	Narrow Molecular Weight Distribution
Uses	Closures
	Containers
	Engineering Parts
	Tanks
Agency Ratings	EU No 10/2011
Forms	Pellets
Processing Method	Injection Molding
	Rotational Molding

Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm <sup>3</sup>	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)	200	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	18.0	MPa	Internal Method
Tensile Strain (Break)	1400	%	Internal Method
Flexural Modulus	750	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20	kJ/m <sup>2</sup>	Internal Method

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## 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

