

# EGYPTENE HD 5403 EA

High Density Polyethylene  
Sidpec (Sidi Kerir Petrochemicals Co.)

Message:  
HD 5403 EA is a medium molecular weight copolymer grade with a broad molecular weight distribution, which offers excellent processing properties for use in a range of blow moulding applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Copolymer		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	Medium Impact Resistance		
	Medium Molecular Weight		
	Wide Molecular Weight Distribution		
Uses	Blow Molding Applications		
	Containers		
	Household Goods		
	Packaging		
Agency Ratings	EU No 10/2011		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm <sup>3</sup>	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	26.0	MPa	Internal Method
Tensile Strain (Break)	950	%	Internal Method
Flexural Modulus	1070	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Impact Resistance - F50	240.00	cm	Internal Method
Bottle Stress Crack Resistance (50°C)	15.0	hr	Internal Method

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