

Persian Gulf Petrochemical Industry Commercial Co.

Arya Sasol Petrochemical Company



Polymers



Chemical &
Aromatics



Fuel & Feeds
Stock

HDPE (HCH 5510)

Physical Properties	UNIT	Value	TEST METHOD
Density (23 oC)	Kg/m ³	955	ISO 1183
MFI (190 oC /21.6Kg)	dg/min	10	ISO 1133
Bulk Density	g/cm ³	> 0.50	ISO 60
Mechanical properties			
Tensile Modulus of elasticity	MPa	1100	ISO527-1
Tensile stress at Yield	MPa	27	ISO527-1
Tensile strain at Yield	%	8	ISO527-1
Notched Tensile impact strength(-30oC)	kJ/m ²	135	ISO 8256/1A
Hardness			
Ball indentation Hardness	MPa	49	ISO 2039-1
ESCR	h	90	Basell

APPLICATION

Additive

Antioxidant –Heat stabilizer

jerry cans, and drums. Extrusion Blow Moulding (Jerry Cans)