



# BEHDAD PLAST

## HIGH DENSITY POLYETHYLENE

### BLOW MOLDING GRADE – HBM 5510

HDPE HBM 5510, a high-density polyethylene grade designed for large blow-molded parts. Produced using 1-hexene as a co-monomer, this material provides high stiffness, excellent processability, superior parison melt strength, and good environmental stress crack resistance (ESCR).

No.	PROPERTY	VALUE	TEST METHOD
1	High Load Melt Flow Index (190 °C/21.6 kg)	10 g/10 min	ISO 1133
2	Melt Flow Index	0.075 g/10 min	ISO 1133
3	Density @23 °C	0.955 g/cm <sup>3</sup>	ISO 1183
4	Bulk Density	>0.50 g/cm <sup>2</sup>	ISO 60
5	Tensile Modulus of Elasticity	1000 MPa	ISO 527-1,2
6	Flexural Modulus (1% Secant)	1000 MPa	ASTM D790
7	Tensile Stress at Yield	27 MPa	ISO 527-1,2

#### Applications:

- Large blow-molded containers (up to 110 liters)
- Standard and lightweight jerry cans
- Open-top drums
- Intermediate bulk containers (IBCs)
- Chemical and industrial packaging



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#### Manufacturer:

Arya Sasol Petrochemical Company

#### Packaging:

25 kg PE bags-55 bag(approximately 1.375 MT) on a pallet, shrink wrapped. Optional: Jumbo Bags available upon request



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