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HIGH DENSITY POLYETHYLENE HBM4265

"HBM4265" is a high molecular weight, high-density polyethylene with broad molecular weight distribution specially developed for producing intermediate bulk containers (IBC) for the packaging of dangerous goods, large blow molding parts and jerry cans. This grade, which is produced by a 1-hexene co-monomer, offers very good creep strength, chemical resistance and environmental stress cracking resistance (ESCR), good process-ability, and stiffness. HBM 4265 has been produced under a Basell license.

Producer:

Arya Sasol Petrochemical Company

NO	Property	Value	Units	Test Method
1	High Load Melt Flow Index (190 C/ 21.6 kg)	6.5	g/10 min	ISO 1133
2	Density	0.942	g/cm ³	ISO 1183
3	Bulk Density	> 0.50	g/cm ³	ISO 60
4	Tensile Strength at Yield	24	MPa	ISO 527-1, -2
5	Tensile Strength at Yield	10	%	ISO 527-1, -2
6	Tensile Modulus of Elasticity	800	MPa	ISO 527-1, -2
7	FNCT (3.5 MPa, 2% Arkopal N100, 80°C)	60	hr	ISO 16770
8	Tensile Impact Strength (Notched, Type 1, Method A, -30°C)	160	kJ/m ²	ISO 8256
9	Melting Temperature	130	°C	ISO 3146
10	Vicat Softening Temperature (Method A/ 10N)	128	°C	ISO 306
11	Deflection Temperature Under Load (0.45 MPa)	70	°C	ISO 75
12	Deflection Temperature Under Load (1.8 MPa)	52	°C	ISO 75
13	Extruder Barrel Temperature: 200-230 °C	Melt Temperature: 205-235 °C		

Applications:

- Intermediate Bulk Container (IBC)
- Large Agricultural Tank
- Small to Large Jerry Cans



For more information, Price lists & direct purchases, please get in touch with us
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