POLYMY
MEETING EXCELLENCE

TECHNICAL DATASHEET

HDPE HBM5510

Analysis:

Typical Properties	Method	Value	Unit
High Load Melt Flow Index (190˚C/ 21.6 kg)	ISO 1133	10	g/10 min
Melt Flow Index (190˚C/ 5 kg)	ISO 1133	0.50	g/10 min
Density	ISO 1183	0.955	g/cm³
Bulk Density	ISO 60	> 0.50	g/cm³
Tensile Modulus of Elasticity	ISO 527-1,2	1000	MPa
Flexural Modulus - 1% Secant	ASTM D790	1000	MPa
Tensile Stress at Yield	ISO 527-1,2	27	MPa
Tensile Strain at Yield	ISO 527-1,2	8	%
Tensile Stress at Break	ISO 527-1,2	43	MPa
Ball Indentation Hardness	ISO 2039-1	49	MPa
ESCR F_{50} (100% Igepal, Method B)	ASTM D1693	110	hrs