

HDPE, Industrial Packaging

Large Blow Molding

Properties	Physical		Mechanical				Others			Specific characteristics and typical customer applications
	Density 23°C	MFR 190°C/ 21.6 kg	Tensile modulus	Tensile Stress at Yield	Tensile Elongation at Yield	Tensile Impact Strength Notched -30°C	ESCR (FNCT): 3,5 MPa, 80°C, 2% aqueous)	ESCR (Basell bottle test)	Delivery Form	
TEST METHOD	ISO 1183	ISO 1133	ISO 527			ISO 8256/1A	ISO 16770	Basell		
UNITS	g/cm ³	g/10 min	MPa	MPa	%	kJ/m ²	h	h		
PRODUCT GRADES – HDPE										
<i>Lupolen 4261 AG Q469</i>	0.945	6	850	24	10	170	60	4000	pellet	Outstanding ESCR; high impact resistance; good chemical resistance; Jerry Cans (also coex); packaging of dangerous goods
<i>Lupolen 4261 AG UV 60005</i>	0.945	6	850	24	10	170	60	4000	pellet	UV stabilized; outstanding ESCR; high impact resistance; good chemical resistance; Jerry Cans; IBC; HOT; packaging of dangerous goods
<i>Lupolen 4261 A Q149</i>	0.945	6	850	24	10	170	60	4000	powder	Outstanding ESCR; high impact resistance; good chemical resistance; additive free; Jerry Cans, Drums (high purity applications, coex)
<i>Lupolen 4261 AG Q474</i>	0.945	6.5	850	24	10	170	60	4000	pellet	Outstanding ESCR; high impact and good chemical resistance; injection molded IBC outlet valves and accessories; packaging of dangerous goods
<i>Lupolen 5261 ZS</i>	0.951	2	1000	26	9	250	20	700	powder	High ESCR; high impact resistance; high rigidity; high chemical resistance; Jerry Cans; Drums; packaging of dangerous goods
<i>Lupolen 5121 A</i>	0.951	5	1050	25	7	150	16	-	pellet	High rigidity; high ESCR; good flowability; very good impact resistance; Jerry Cans; packaging of dangerous goods
<i>Hostalen ACP 5331 A</i>	0.952	6.5	1050	26	10	150	50	-	pellet	Excellent combination of stiffness and ESCR; very good impact resistance; Jerry Cans and Drums; packaging of dangerous goods
<i>Lupolen 5261 Z</i>	0.954	2	1200	27	9	250	11	130	powder	Good ESCR; high impact resistance; high rigidity; high chemical resistance; Jerry Cans; Drums; packaging of dangerous goods
<i>Lupolen 5261 Z HI</i>	0.954	2	1200	28	8	280	14	130	powder	Outstanding impact resistance; good ESCR; high rigidity; L-Ring Drums; packaging of dangerous goods
<i>Hostalen ACP 5531 B</i>	0.954	9.5	1250	27	10	90	40	400	pellet	Excellent combination of stiffness and ESCR; high rigidity; good impact resistance; Jerry Cans; packaging of dangerous goods
<i>Purell ACP 5531 B</i>	0.954	9.5	1250	27	10	90	40	400	pellet	Excellent combination of stiffness and ESCR; high rigidity; dedicated grade for healthcare applications; Jerry Cans
<i>Histif 5431 Z</i>	0.954	2.6	1200	27	8	290	14	-	pellet	Outstanding impact resistance; good ESCR; high rigidity; L-Ring Drums; packaging of dangerous goods
<i>Hostalen GM 9350 C black</i>	0.995	3	1200	28	7	45	90	-	pellet	Conductive grade (carbon black), outstanding ESCR, good chemical resistance, limited impact resistance; Jerry Can, Drum (coex), IBC (coex)

*HOT = Heating Oil Tank, ESCR = Environmental Stress Crack Resistance, FNCT = Full Notch Creep Test, IBC = Intermediate Bulk Container.

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