

HDPE, Industrial Packaging

Large Blow Molding

PROPERTIES	PHYSICAL		MECHANICAL				OTHER			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 Wetting Solution	ESCR (FNCT): 6 MPa, 50°C, 2% Aqueous Wetting Solution	Delivery Form	
Test Method	ISO 1183-1	ISO 1133-1	ISO 527			ISO 8256	ISO 16770	ISO 16770		
Units	g/cm ³	g/10 min	MPa	MPa	%	kJ/m ²	h	h		
PRODUCT GRADES – HDPE										
<i>Lupolen 4261AG Q469</i>	0.945	6	850	24	10	170	60	-	Pellet	Outstanding ESCR; high impact resistance; good chemical resistance; Jerry Cans (also coex); packaging of dangerous goods
<i>Lupolen 4261AG UV 60005</i>	0.945	6	850	24	10	170	60	-	Pellet	UV stabilized; outstanding ESCR; high impact resistance; good chemical resistance; Jerry Cans; IBC; HOT; packaging of dangerous goods
<i>Lupolen 4261A Q149</i>	0.945	6	850	24	10	170	60	-	Powder	Outstanding ESCR; high impact resistance; good chemical resistance; additive free; Jerry Cans, Drums (high purity applications, coex)
<i>Lupolen 4261AG Q474</i>	0.945	6.5	850	24	10	170	60	-	Pellet	Outstanding ESCR; high impact and good chemical resistance; injection molded IBC outlet valves and accessories; packaging of dangerous goods
<i>Lupolen 5261ZS</i>	0.951	2	1000	26	9	250	20	-	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	-	100	Pellet	Excellent combination of stiffness and ESCR; very good impact resistance; Jerry Cans and Drums; packaging of dangerous goods
<i>Lupolen 5261Z</i>	0.954	2	1200	27	9	250	12	-	Powder	Good ESCR; high impact resistance; high rigidity; high chemical resistance; Jerry Cans; Drums; packaging of dangerous goods
<i>Lupolen 5261Z HI</i>	0.954	2	1200	28	8	280	12	-	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	-	35	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	-	100	Pellet	Excellent combination of stiffness and ESCR; high rigidity; dedicated grade for health-care applications; Jerry Cans
<i>Histif 5431 Z</i>	0.954	2.6	1200	27	8	290	40	-	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, IBC = Intermediate Bulk Container, ESCR = Environmental Stress Crack Resistance, FNCT = Full Notched Creep Test

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