

利安德巴赛尔聚乙烯系列 — 硬质包装材料

Rigid Packaging - Polyethylene

品类 Type	Physical		Mechanical				Thermal	ESCR	应用 Applications
	密度 Density	熔融指数 MFR	弯曲模量 Flexural Modulus	拉伸屈服强度 Tensile Strength at Yield	拉伸冲击强度 Tensile Impact Strength	热变形温度 HDT (66 psi, Unannealed)	维卡软化点 Vicat Softening Temp.	耐环境应力开裂 ESCR, F50 (100% Igepal®, Cond B)	
190°C, 21.6kg									
测试方法	ASTM D1505	ASTM D1238	ASTM D790	ASTM D638	ASTM D1822	ASTM D648	ASTM D1525	ASTM D1693	
单位 Units	g/cm ³	g/10 min	MPa	MPa	kJ/m ²	°C	kJ/m ²	hr	
HDPE									
Hyperzone HY54907U	0.949	7.5	1170	23.4	>1260	66	127	>3000	Bottles For Consumer Goods 消费品用瓶子
Hyperzone HY55430	0.954	0.34(*2.16Kg)	1310	27.6	294	66	126	200	Industrial Packaging; Intermediate Bulk Containers 工业包装; 中型散装容器

利安德巴赛尔聚乙烯系列 — 管道

Pipe - Polyethylene

品类 Type	Physical			Mechanical				耐慢速裂纹增长 Slow crack growth resistance		应用 Applications
	密度 Density	熔融指数 MFR	熔融指数 MFR	弯曲模量 Flexural Modulus	拉伸屈服强度 Tensile Stress at Yield	氧化诱导时间 (210°C) Oxidation induction time	耐快速裂纹扩展 RCP, Tc @ 5 bar	耐环境应力开裂 ESCR, F50 (100% Igepal®, Cond B)	PENT on black 黑色管宾夕法尼亚 缺口拉伸试验 (2.4MPa, 80°C)	
		190°C 5 kg	190°C, 2.16kg							
测试方法	ISO 1183-1	ISO 1133-1		ISO 178	ISO 527-1,-2	ISO 11357-6	ISO 13477	D1693	F1473	
单位 Units	g/cm³	g/10 min		MPa	MPa	min	°C	hr	hr	
HDPE										
Alathon L4904	0.949	0.18	7	1030	24.5	>30	<-12	-	5000	Pressure pipes; drinking water pipes; fittings; industrial pipes 压力管道; 引用水管; 管件; 工业管道
Alathon L4904LS	0.949	0.15	7	930	23	>20	<-14	-	5000	Low sagging, large diameter and thick wall applications; Pressure pipes; drinking water pipes; fittings; industrial pipes 低熔垂, 大口径和大壁厚应用; 压力管道; 引用水管; 管件; 工业管道
Alathon L4904LSC	0.949	0.15	7	945	24	>20	-	-	5000	Low sagging, chlorine disinfectant resistance (Approved M/B PE445574C: CC3), large diameter and thick wall applications; Pressure pipes; drinking water pipes; fittings; industrial pipes 低熔垂, 大口径和大壁厚应用; 压力管道; 引用水管; 管件; 工业管道
Hyperzone HY4008	0.9495	0.25	7.5	1020	24	>20	<-21	-	>10,000	Pressure pipes; drinking water pipes; fittings; industrial pipes 压力管道; 引用水管; 管件; 工业管道
Alathon 8005M-5	0.949	-	8	993 (ASTM D1238)	26 (ASTM D638)	>40 (200°C, ASTM D3895)	-	>1,000	-	Non-pressure pipes, corrugation pipes, drainage and sewage pipes 非承压管道, 波纹管、排水以及排污管

利安德巴赛尔聚乙烯系列 — 软质包装材料

Flexible Packaging - Polyethylene

品类 Type	Physical		Mechanical				Thermal	ESCR		应用 Applications
	密度 Density	熔融指数 MFR	落标冲击强度 Dart Drop Impact	拉伸断裂强度 Tensile Strength at break MD/TD	拉伸断裂延伸率 Tensile elongation at break MD/TD	1% 正割模量 1% Secant Modulus MD/TD	埃尔门多夫撕裂强度 Elmendorf Tear Strength MD/TD	雾度 Haze	添加剂 Additive	
190°C, 2.16kg		测试方法								
单位 Units	g/cm³	g/10 min	g	MPa	%	MPa	g	%	AB/Slip	
LDPE										
Lupolen 2221D	0.9220	0.25	190	28/24	400/550	220/250	170/220	7.5	Barefoot 光料	Heavy duty sacks, Heavy duty shrink film, Agri-film 重包袋, 重包收缩膜, 农膜
Lupolen 2221F	0.9220	0.8	150	25/21	400/550	220/250	270/290	6.5	Barefoot 光料	Bags & Pouches, Food packaging film, Hygiene film, shrink film 包&袋, 食品包装膜, 卫生薄膜, 收缩膜
Petrothene NA321013	0.9225	2.0	130	21/19	400/550	220/240	300/300	5.0	Barefoot 光料	Bags & Pouches, Food packaging film, Hygiene film, shrink film 包&袋, 食品包装膜, 卫生薄膜, 收缩膜
Petrothene NA321210	0.9225	2.0	130	21/19	400/550	220/240	300/300	5.8	AB/Slip 抗粘剂/爽滑剂	Bags & Pouches, Food packaging film, Hygiene film, shrink film 包&袋, 食品包装膜, 卫生薄膜, 收缩膜
Lupolen 2227K	0.9225	4.0	110	21/19	400/550	210/230	250/250	5.5	AB/Slip 抗粘剂/爽滑剂	Bags & Pouches, Food packaging film, Hygiene film, shrink film 包&袋, 食品包装膜, 卫生薄膜, 收缩膜
Petrothene NA204000	0.9180	7.0	-	12.1	570	233	-	-	Barefoot 光料	Extrusion coating 挤出涂敷
C6-LLDPE										
Petrothene GA1810	0.9180	1.0	200	52/45	620/700	240/290	400/650	9.0	Barefoot 光料	Heavy duty sacks, Food packaging films, Lamination film 重包袋, 食品包装膜, 复合膜
Petrothene GA1810T	0.9180	1.0	200	52/45	620/700	240/290	400/650	17.0	AB/Slip 抗粘剂/爽滑剂	Heavy duty sacks, Food packaging films, Lamination film 重包袋, 食品包装膜, 复合膜
Petrothene GA1820	0.9180	2.0	130	56/45	750/900	240/290	500/670	15.0	Barefoot 光料	Blown and Cast Stretch Films, Packaging Films, Compounding 吹膜和流延缠绕膜, 包装膜, 改性
Petrothene GA1832	0.9180	3.2	104	39/23	481/735	168/178	309/764	1.4	Barefoot 光料	Cast Stretch Film, Compounding 流延缠绕膜, 改性

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