

产品比较

Technical Data

产品说明				
Purell ACP 6541A	Exceptional organoleptic properties and outstanding balance of stiffness, toughness and environmental stress cracking resistance make Purell ACP6541A the choice of customers for the production of closures for still mineral and sparkling water, CSD and many other types of food and non-food caps and closures as well as tube shoulders and compression moulding applications.			
	Purell ACP 6541A is additionally used by our customers in injection moulding applications in the medical and pharmaceutical market after approval is given by LyondellBasell.			
	Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant LyondellBasell Technical and Business contacts first.			
Purell 2410T	Purell 2410T is a low density polyethylene grade with a goor combination of flowability and softness. The grade is used by our customers for all types of injection moulded applications in the healthcare market.			
	Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant LyondellBasell Technical and Business contacts first.			
Purell PE 1810 E	Purell PE 1810 E is a low density polyethylene with good felxibility and delivered in pellet form. The grade is used by our customers for small blow mouldings and injection moulding in healthcare market as well as for tube applications.			
	For regulatory compliance information, see Purell PE 1810E Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).			
	Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical (P & AD) and Business contacts first.			
Purell PE GF 4750	To discuss a medical/pharmaceutical application please contact: your local Distributor or your local Basell contact.			
	Purell PE GF 4750 is a high density polyethylene with a good ESCR, containing antioxidants and delivered in pellet form. The grade is used by our customers for small blow mouldings for packaging of consumer goods, surfactants, detergents as well as pharmaceuticals.			
	Without exception, all potential activities for applications in the pharmaceutical, medical device, laboratory and diagnostics area have to be discussed with the relevant Technical (P & AD) and Business contacts first.			
总览	To discuss a medical/pharmaceutical application please contact: your local Distributor or your local Basell contact.			
	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750
	生产商/供应商	• LyondellBasell Industries	• LyondellBasell Industries	• LyondellBasell Industries
通用符号	• HDPE	• LDPE	• LDPE	• HDPE

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总览	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750
添加剂	--	--	--	• 抗氧化性
特性	• 高 ESCR (抗应力开裂) • 高密度 • 环氧乙烷消毒 • 良好的感官特征 • 良好刚性 • 流动性高 • 韧性良好	• 低密度 • 环氧乙烷消毒 • 快的成型周期 • 流动性高	• 环氧乙烷消毒 • 良好的柔韧性	• 高 ESCR (抗应力开裂) • 高密度 • 环氧乙烷消毒 • 抗氧化性 • 良好的流动性
用途	• 管件 • 护罩 • 外壳 • 药物 • 医疗/护理用品 • 医疗器械	• 护罩 • 外壳 • 药物 • 医疗/护理用品 • 医疗器械	• Blown Film • 包装 • 薄膜 • 吹塑成型应用 • 管件 • 瓶子 • 小瓶 • 医疗/护理用品 • 硬包装	• Blown Film • 包装 • 吹塑成型应用 • 管件 • 护罩 • 瓶子 • 外壳 • 小瓶 • 药品包装 • 医疗/护理用品
外观	--	• 自然色	--	--
形式	• 粒子	• 粒子	• 粒子	• 粒子
加工方法	• 压缩模塑 • 注射成型	• 注射成型	• 吹塑薄膜 • 吹塑成型 • 挤出吹塑成型 • 注吹成型 • 注射成型	• 挤出吹塑成型 • 注吹成型 • 注射成型

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物理性能	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	测试方法
密度	0.954	0.924	0.920	0.950	g/cm³	ISO 1183
熔流率 (熔体流动速率)						ISO 1133
190°C/2.16 kg	1.5	36	0.40	0.40	g/10 min	
190°C/21.6 kg	--	--	--	30	g/10 min	
190°C/5.0 kg	6.4	--	--	1.5	g/10 min	
抗环境应力开裂						
F0	--	0.500	--	--	hr	ASTM D1693
50°C, 2% Arkopal ³	30.0	--	--	--	hr	内部方法
50°C, 2% Arkopal	--	--	--	65.0	hr	ASTM D1693
机械性能	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	测试方法
拉伸模量						ISO 527-1
--	1100	280	--	1000	MPa	
23°C	--	--	200	--	MPa	
拉伸应力						ISO 527-2
屈服	22.0	--	--	23.0	MPa	
屈服, 23°C	--	11.0	9.00	--	MPa	
拉伸应变 (屈服)	10	--	--	10	%	ISO 527-2
冲击性能	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	测试方法
简支梁缺口冲击强度						
-30°C	4.5	--	--	--	kJ/m²	ISO 179
-30°C	--	--	--	5.5	kJ/m²	ISO 179/1eA
23°C	11	--	--	--	kJ/m²	ISO 179
23°C	--	--	--	12	kJ/m²	ISO 179/1A
硬度	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	测试方法
肖氏硬度 (邵氏 D)	55	49	45	60		ISO 868
球压硬度						ISO 2039-1
H 132/30	54.0	--	--	44.0	MPa	
H 49/30	--	18.0	--	--	MPa	

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热性能	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	测试方法
维卡软化温度						
--	--	--	92.0	--	°C	ISO 306/B
--	70.0	--	--	70.0	°C	ISO 306/B50
--	--	89.0	--	--	°C	ISO 306/A50
熔融温度 (DSC)	--	112	108	--	°C	ISO 3146
补充信息	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	测试方法
FNCT - 6 MPa ⁴ (50°C)	--	--	--	2.7	day	内部方法
注射	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	
加工 (熔体) 温度	190 到 230	190 到 230	--	--	°C	
挤出	Purell ACP 6541A	Purell 2410T	Purell PE 1810 E	Purell PE GF 4750	单位制	
熔体温度	--	--	170 到 220	170 到 220	°C	