

牌号数据对比表



制造商			利安德巴塞尔		利安德巴塞尔
商品名			Petrothene®		LUPOLEN
种类			LLDPE		LDPE
牌号			GA808093		2427K
Product information			Value		Value
Material Shape					Pellets
Process			Extrusion molding		Blow molding Cast molding
Material Attribute					Antiblock
Features			• Wide molecular weight distribution • Antioxidant		• Low friction • Good heat seal • Good Optical Properties • Antioxidant • Good processability
Application			• Wire & Cable • Insulation		• Flexible packaging • Food packaging film • Hygiene film • Blown film • Cast film • Shrink wrap
Additives			Antioxidant Metal Deactivator		Antiblock Antioxidant Slip Agent
Physical property			Standard	Unit	Value
Density			ASTM D792	g/cm³	0.92
Density			ISO 1183	g/cm³	0.924
Melt Index			ASTM D1238	g/10min	0.7
Melt Index 190°C 2.16kg			ISO 1133	g/10min	4.0
Environmental Stress Crack Resistance			ASTM D1693	hr	1000
Slip Erucamide			INTERNAL METHOD	ppm	600
Antiblock Silica			ISO 3451-1	ppm	1800
Hardness			Standard	Unit	Value
Shore Hardness D			ASTM D2240		57
Mechanical behavior			Standard	Unit	Value
Tensile Modulus			ISO 527	MPa	260
Tensile Strength 23°C			ASTM D638	MPa	15.2
Tensile Strength Yield			ISO 527	MPa	11
Tensile Strength Yield 23°C			ASTM D638	MPa	11.7
Tensile Strength Flow 50µm Blown Film			ISO 527	MPa	19
Tensile Strength xFlow 50µm Blown Film			ISO 527	MPa	16
Elongation 23°C			ASTM D638	%	650
Elongation Flow Break 50µm Blown Film			ISO 527	%	300
Elongation xFlow Break 50µm Blown Film			ISO 527	%	600
Falling Weight Impact Strength F50 50µm Blown Film			ASTM D1709	g	100
Friction Coefficient 50µm Blown Film			ISO 8295		0.2
Puncture Resistance Failure Energy			DIN 53373	J/mm	3.5
Optical performance			Standard	Unit	Value
Gloss 60°			ASTM D2457		100
Gloss 20°			ASTM D2457		50
Haze 50µm			ASTM D1003	%	9
Thermal			Standard	Unit	Value
Vicat Softening Temperature 50°C/hr 10N			ISO 306	°C	92
Melting Temperature			ISO 11357	°C	111
Low Temperature Brittleness			ASTM D746	°C	-76.0
Electrical properties			Standard	Unit	Value
Dielectric Constant 1MHz			ASTM D150		2.29
Dissipation Factor 1MHz			ASTM D150		0.0001
Extrusion molding			Unit	Value	Value
Melt Temperature			°C		150~190

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