

Technical Data Sheet

技术数据表

ZL-D760 (Hydrogenated Styrene-Isoprene Copolymer 氢化苯乙烯-异戊二烯嵌段共聚物)

Features/特性:

- ◆ Multi-armed star polymer
多臂星形嵌段共聚物
- ◆ Good solubility in mineral oil or synthetic oil
在矿物油或者合成油中溶解性良好
- ◆ Good compatibility with polyolefin
与聚烯烃相容性良好
- ◆ Recycling & Processing
可回收再加工
- ◆ Safety & Environmental Protection
安全环保

Typical Application/常规应用:

- ◆ Lubricating oil viscosity index improver
润滑油粘度指数改进剂
- ◆ High-grade grease additives
高档润滑脂添加剂
- ◆ Plastic modification
塑料改性

Typical Properties

一般性质

	Unit 单位	Typical Value 典型值	Range 范围	Test Method 测试方法
Styrene Content 苯乙烯含量	/	7.0	6.0-7.5	GB/T 30914-2014
Specific Gravity 比重	g/cc	0.87	/	GB/T 1033-2010
Volatile Matter 挥发份	wt%	0.20	≤0.50	GB/T 24131-2018
Ash Content 灰份	wt%	0.15	≤0.50	GB/T 9345-2008
Toluene Solution Viscosity 甲苯溶液粘度(25℃, 10wt%)	mPa·s	450	400-550	GB/T 2794-2013
Melt Index 熔融指数(230℃, 5kg)	g/10min	0.65	0.2-1.5	GB/T 3682-2018
Form 外观	/	粉末 powder	/	Visualization 目测

Product liability information 产品责任信息

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ZL-M7401 (Hydrogenated Styrene-Isoprene Block Copolymer 氢化苯乙烯-异戊二烯嵌段共聚物)

Features/特性:	Typical Application/常规应用:			
◆Linear hydrogenated block copolymer 线型氢化嵌段共聚物 ◆Weather resistance 耐候性好 ◆High tensile strength 耐热性好 ◆Recycling & Processing 可回收再加工 ◆Safety & Environmental Protection 安全环保	◆Asphalt and polymer modification 沥青和聚合物改性 ◆Preparation of shoe material formula 鞋材配方配制 ◆Binders and paints 粘合剂和涂料 ◆Basic Materials for Oil Gel Application 油凝胶应用的基础材料			
Typical Properties 一般性质	Unit 单位	Typical Value 典型值	Range 范围	Test Method 测试方法
SM/ IP Ratio 苯乙烯/异戊二烯质量比率	/	37:63	/	GB/T 30914-2014
Specific Gravity 比重	g/cc	0.93	/	GB/T 1033-2010
Volatile Matter 挥发份	wt%	0.30	≤0.50	GB/T 24131-2018
Ash Content 灰份	wt%	0.15	≤0.50	GB/T 9345-2008
Toluene Solution Viscosity 甲苯溶液粘度(30°C, 15wt%)	mPa·s	775	550-950	GB/T 2794-2013
Form 外观	/	Powder 粉末	/	Visualization 目测

*The slight lump problem of the product appearance is a normal problem, but it does not affect the performance of the product. It needs to be broken before use.

*产品外观存在轻微结块问题属正常问题，但不影响产品性能，使用前需打碎。

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ZL-TX-210 (Hydrogenated Styrene-Isoprene Block Copolymer 氢化苯乙烯-异戊二烯嵌段共聚物)

Features/特性:	Typical Application/常规应用:			
◆Linear hydrogenated block copolymer 线型氢化嵌段共聚物 ◆Weather resistance 耐候性好 ◆High tensile strength 耐热性好 ◆Safety & Environmental Protection 安全环保	◆Maquillage 化妆品			
Typical Properties 一般性质	Unit 单位	Typical Value 典型值	Range 范围	Test Method 测试方法
SM/ IP Ratio 苯乙烯/异戊二烯质量比率	/	37:63	/	GB/T 30914-2014
Specific Gravity 比重	g/cc	0.93	/	GB/T 1033-2010
Volatile Matter 挥发份	wt%	0.30	≤0.50	GB/T 24131-2018
Ash Content 灰份	wt%	0.75	≤1.00	GB/T 9345-2008
Toluene Solution Viscosity 甲苯溶液粘度(30°C, 15wt%)	mPa·s	775	550-950	GB/T 2794-2013
Form 外观	/	Powder 粉末	/	Visualization 目测

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ZL-W8533 (Hydrogenated styrene-Isoprene block copolymer 氢化苯乙烯-异戊二烯嵌段共聚物)

Features/特性:	Typical Application/常规应用:
◆Linear hydrogenated block copolymer 线型氢化嵌段共聚物 ◆Weather resistance 耐候性好 ◆High tensile strength 耐热性好 ◆Recycling & Processing 可回收再加工 ◆Safety & Environmental Protection 安全环保	◆Transparent toy 透明玩具 ◆Blending with TPE TPE 共混 ◆Gel candles 果冻蜡烛 ◆Modifier of bitumen and polymers 沥青和聚合物改性

Typical Properties 一般性质	Unit 单位	Typical Value 典型值	Range 范围	Test Method 测试方法
SM/ IP Ratio 苯乙烯/异戊二烯质量比率	/	31/69	/	GB/T 30914-2014
Specific Gravity 比重	g/cc	0.91	/	GB/T 1033-2010
Volatile Matter 挥发份	wt%	0.20	≤0.50	GB/T 24131-2009
Ash Content 灰份	wt%	0.15	≤0.50	GB/T 9345-2008
Toluene Solution Viscosity 甲苯溶液粘度(30°C, 20wt%)	mPa·S	1700	1200-2200	GB/T 2794-2013
Hardness 硬度	Shore A	83	75-90	GB/T 531-2008
Form 外观	/	Powder 粉末	/	Visualization 目测

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ZL-W8544 (Hydrogenated styrene-Isoprene block copolymer 氢化苯乙烯-异戊二烯嵌段共聚物)

Features/特性:	Typical Application/常规应用:
◆ Linear hydrogenated block copolymer 线型氢化嵌段共聚物 ◆ Weather resistance 耐候性好 ◆ High tensile strength 耐热性好 ◆ Recycling & Processing 可回收再加工 ◆ Safety & Environmental Protection 安全环保	◆ Transparent toy 透明玩具 ◆ Blending with TPE TPE 共混 ◆ Adult erotica products 成人用品 ◆ Modifier of plastics 塑料改性 ◆ Used to toughen films 薄膜增韧

Typical Properties 一般性质	Unit 单位	Typical Value 典型值	Range 范围	Test Method 测试方法
SM/ IP Ratio 苯乙烯/异戊二烯质量比率	/	33/67	/	GB/T 30914-2014
Specific Gravity 比重	g/cc	0.91	/	GB/T 1033-2010
Volatile Matter 挥发份	wt%	0.20	≤0.50	GB/T 24131-2009
Ash Content 灰份	wt%	0.15	≤0.50	GB/T 9345-2008
Toluene Solution Viscosity 甲苯溶液粘度(30°C, 12wt%)	mPa·S	1550	1300-1800	GB/T 2794-2013
Hardness 硬度	Shore A	72	65-80	GB/T 531-2008
Form 外观	/	Powder 粉末	/	Visualization 目测

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ZL-W8555 (Hydrogenated styrene-Isoprene block copolymer 氢化苯乙烯-异戊二烯嵌段共聚物)

Features/特性:	Typical Application/常规应用:			
◆ Linear hydrogenated block copolymer 线型氢化嵌段共聚物 ◆ Weather resistance 耐候性好 ◆ High tensile strength 耐热性好 ◆ Recycling & Processing 可回收再加工 ◆ Safety & Environmental Protection 安全环保	◆ Transparent toy 透明玩具 ◆ Blending with TPE TPE 共混 ◆ Adult erotica products 成人用品 ◆ Coating Material 包覆材料 ◆ Wire & Cable 电线电缆			
Typical Properties 一般性质	Unit 单位	Typical Value 典型值	Range 范围	Test Method 测试方法
SM/ IP Ratio 苯乙烯/异戊二烯质量比率	/	32/68	/	GB/T 30914-2014
Specific Gravity 比重	g/cc	0.91	/	GB/T 1033-2010
Volatile Matter 挥发份	wt%	0.30	≤0.50	GB/T 24131-2018
Toluene Solution Viscosity 甲苯溶液粘度(30°C, 10wt%)	mPa·S	5000	4500-8000	GB/T 2794-2013
Hardness 硬度	Shore A	66	60-73	GB/T 531-2008
Form 外观	/	Powder 粉末	/	Visualization 目测

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