

Ordinary
PE Compound
普通聚乙烯电缆料

参考标准 REFERENCE STANDARD
GB/T15065, GB/T12706

耐开裂、挤出性能好
This product is crack-resistant and has excellent extrusion performance

产品名称 PRODUCT NAME

- 3004

软电缆用聚烯烃绝缘料
Polyolefin insulation compound for flexible cable
- 3021

黑色线性低密度聚乙烯护套料
Black linear low density PE sheathing compound
- 3022

黑色中密度聚乙烯护套料
Black medium density PE sheathing compound
- 3023

黑色高密度聚乙烯护套料
Black high density PE sheathing compound
- 3024

黑色或彩色高压电缆用中密度聚乙烯护套料
Medium density PE sheathing compound for black or color high-voltage cable

技术参数 TECHNICAL DATA

项目 Properties		典型值 Typical Value			
		3004	3021	3022	3023
密度 density	g/cm ³	/	0.936	0.948	0.956
熔融指数 melt index	g/10min	1.6	1.5	0.8	0.4
拉伸强度 tensile strength	MPa	19.5	19	23.5	29.8
断裂伸长率 elongation at break	%	770	790	860	1030
🔥 热老化 heat aging					
老化条件 aging condition	°C×h	/	/	/	/
拉伸强度变化率 variation at tensile strength	%	/	/	/	/
断裂伸长率变化率 variation at elongation	%	/	/	/	/
冲击脆化性能 low temperature brittlness	°C	-76	-76	-76	-76
耐环境应力开裂 environmental stress crack resistance	h	>500	>500	>500	>500
20°C体积电阻率 volume resistivity at 20°C	Ω·m	8×10 ¹⁴	4×10 ¹⁴	9×10 ¹⁴	6×10 ¹⁴
介电强度 dielectric strength	MV/m	34	30	30	30
氧指数 oxygen index	-	/	/	/	/
氧化诱导期 oxidative induction time	min	>30	>30	>30	>30
🔥 高温压力试验 [115°C×6h] pressure test at under high temperature					
压痕深度 depth of indentation	%	/	/	/	/
炭黑分散度 carbon black dispersion	h	/	6	6	6
炭黑含量 carbon black content	%	/	2.6	2.6	2.6