

Modified TPE

(styrene thermoplastic elastomeric) Compound

改性TPE(苯乙烯类热塑性弹性体)电缆料

该系列产品具有较宽的硬度可调范围，主要用于具有非卤素环保要求的电子、电器用线，如手机充电器的连接线、USB 线、电源线等，也可用作注塑插头料

With a wide range of hardness able to be adjusted, this product is applicable to non-halogen eco-friendly electronic and electrical wires, for instance, MP charger connecting wire, USB wire and power wire etc. It is also can be used as plastic plug material.

产品名称

PRODUCT NAME

5202

105℃改性苯乙烯类热塑性弹性体电缆料

105℃ modified styrene thermoplastic elastomeric compound

技术参数

TECHNICAL DATA

项目 Properties		典型值 Typical Value				
		5202-70	5202-75	5202-80	5202-85	5202-95
硬度 hardness	A	70	75	80	85	95
拉伸强度 tensile strength	MPa	15	16	16	16	25
断裂伸长率 elongation at break	%	600	580	600	560	530
热老化 heat aging						
热老化温度 heat aging temperature	℃	136	136	136	136	136
热老化时间 heat aging time	h	168	168	168	168	168
拉伸强度变化率 variation at tensile strength	%	-6	8	9	5	-3
断裂伸长率变化率 variation at elongation	%	1	2	-6	-10	-7
冲击脆化温度 low temperature brittleness	℃	-40	-40	-40	-40	-40
20℃体积电阻率 volume resistivity at 20℃	Ω·m	2.0×10 ¹³	2.0×10 ¹³	2.0×10 ¹³	2.0×10 ¹³	2.0×10 ¹³
介电强度 dielectric strength	MV/m	25	25	25	25	25