

INEOS Wire & Cable BP28D780

Low Density Polyethylene

INEOS Olefins & Polymers Europe

产品说明

BP28D780 is a low density polyethylene compound suitable for the thin walled insulation of telephone wires. BP28D780 combines good processability at very high extrusion speeds with excellent mechanical properties, a high resistance to copper catalysed thermal oxidation and excellent resistance to petroleum jelly absorption. The combination of these properties in BP28D780 makes it suitable for use as telephone singles insulation in air spaced and filled cables and in environments subject to high temperatures. BP 28 D780 contains a metal deactivator.

基本信息			
添加剂	金属减活剂		
特性	可加工性良好		
用途	电线电缆应用	通信电线绝缘材料	
机构评级	ASTM D 1248, II, Class A, Cat. 5, BS 6234	ASTM D 1248, II, Class A, Cat. 5, BS 6234	BS 6234
	BS 6234 Type 03	BT M 237B	CENELEC HD 624.3 S1, L/MD Solid
	CNET CM 24	IEC 60708	ISO 1872 PE KHKN 27D003
	VDE 0207, Part 103, L/MD Solid	VDE 0207, Part 2, Type 2Y12	
RoHS 合规性	联系制造商		
形式	粒子		
物理性能	额定值	单位制	测试方法
密度	0.929	g/cm ³	ISO 1183/D
熔流率(熔体流动速率) (190°C/2.16 kg)	0.25	g/10 min	ISO 1133
硬度	额定值	单位制	测试方法
肖氏硬度 (邵氏 D, 1 秒)	56		ISO 868
机械性能	额定值	单位制	测试方法
拉伸应力			IEC 60811-1-1
屈服	15.0	MPa	IEC 60811-1-1
断裂	18.0	MPa	IEC 60811-1-1
拉伸应变 (断裂)	550	%	IEC 60811-1-1
热性能	额定值	单位制	测试方法
维卡软化温度	106	°C	ISO 306/A
电气性能	额定值	单位制	测试方法
介电常数 (1 MHz)	2.28		ASTM D1531
耗散因数 (1 MHz)	1.0E-4		ASTM D1531
补充信息			
Properties of Insulation with 0.2 mm radial thickness on 0.5 mm diameter copper conductors:-Tensile Strength at Break, IEC 811-1-1: 20 MPa-Elongation, IEC 811-1-1: 600%-Ageing in Air, Retention of Tensile Properties, IEC 811-1-2, 10 days, 100°C: 90%-Petroleum Jelly Absorption Weight Gain, IEC 811-4-2, Preconditioned in Petroleum Jelly, 10 days, 70°C: 11%-Retention of Tensile Properties, IEC 811-1-1, Preconditioned in Petroleum Jelly, 10 days, 70°C: 90%-Resistance to Ageing in Air at 105°C, BT M237, IEC 811-4-2, Preconditioned in Petroleum Jelly, 14 days, 60°C: 1500 h			
挤出	额定值	单位制	
熔体温度	210 到 280	°C	
挤压说明			
Screw L/D ratio: >20:1Compression ratio: >3			