

ETILINAS BPD 4028

Medium Density Polyethylene
POLYETHYLENE MALAYSIA SDN BHD

Message:

ETILINAS BPD 4028 is a natural MDPE compound designed specifically for colourable (non black) communication and power cable jacketing. It can be coloured by means of a high quality colour masterbatch intended for wire and cable applications. ETILINAS BPD 4028 does not contain UV stabilisation and so cables jacketed with this material must be protected from direct sunlight both in storage and in subsequent installation.

General Information			
Uses	Communication Cable Jacketing		
	Wire and cable applications		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.937	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.30	g/10 min	ISO 1133
190°C/5.0 kg	1.2	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 1 sec)	58		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	700	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-100	°C	ASTM D746
Vicat Softening Temperature	116	°C	ISO 306/A
CLTE - Flow (20 to 60°C)	1.5E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Dielectric Strength	20	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	2.50		IEC 60250
Dissipation Factor (1 MHz)	1.0E-3		IEC 60250
Additional Information			
Tensile Stress at Yield, IEC 811-1-1: 18 MPaElongation at Break, IEC 811-1-1: >600%Thermal Conductivity, BS 874, 23°C: 0.4 W/m/°COxidation Induction Time, ISO TR10837, 210°C: >20 minEnvironmental Stress Crack Resistance, IEC 811-4-1, F0: >1000 hr			
Extrusion	Nominal Value	Unit	
Melt Temperature	200 - 225	°C	
Extrusion instructions			
Suggested Screen Pack: 40/80 Mesh			

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Recommended distributors for this material

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