



SABIC® LLDPE 320BT

LINEAR LOW DENSITY POLYETHYLENE
REGION ASIA

DESCRIPTION

SABIC® 320BT is an ethylene-butene copolymer designed for wire and cable application. 320BT contains high antioxidant, no slip and no antiblock.

TYPICAL APPLICATIONS

1-step or 2-step silane crosslinking low voltage power cable insulation, Bundle assembled aerial cable, Telecom cable jacketing, Low voltage power cable jacketing, Compounding for halogen-free flame retardant cable.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	2.8	g/10 min	ASTM D1238
Density at 23°C	920	kg/m ³	ASTM D1505
Melting point	120	°C	-
MECHANICAL PROPERTIES			
Tensile test			
stress at yield	10	MPa	ASTM D638
stress at break	18	MPa	ASTM D638
elongation at break	650	%	ASTM D638
ELECTRICAL PROPERTIES			
Dielectric Constant	2.25	-	ASTM D150
Dielectric Dissipation Factor	7x10 ⁻⁴	-	ASTM D150
Dielectric Strength	37	kV/mm	ASTM D150