

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

Revision 20201211

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

STORAGE AND HANDLING

Polyethylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

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