

SABIC® HDPE Y10048M

PROVISIONAL TECHNICAL DATA SHEET HIGH DENSITY POLYETHYLENE

DESCRIPTION

HDPE Y10048M is a High Density Polyethylene having medium molecular weight and a narrow molecular weight distribution for the production of tapes.

TYPICAL APPLICATIONS

HDPE Y10048M is used in producing Protective netting for agriculture and construction, Slit film & Tapes, Round bale nets.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES ⁽¹⁾			
Melt Flow Rate (MFR)			
at 190°C and 5 kg	1.8	g/10 min	ISO 1133
at 190°C and 21.6 kg	23	g/10 min	ISO 1133
FRR (MFR 21.6kg/ MFR 5kg)	13	-	ISO 1133
Density			
@23°C	948	kg/m ³	ISO 1183
MECHANICAL PROPERTIES ⁽¹⁾			
Tensile modulus	1000	MPa	ISO 527
Tensile Stress at Yield	24	MPa	ISO 527-1/-2
THERMAL PROPERTIES ⁽¹⁾			
Vicat Softening Point @ 10N (VST/A)	75	°C	ISO 306

(1) Typical values: not to be construed as specification limits.

PROCESSING CONDITIONS

Recommended processing temperature: 180 - 220°C