

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

Revision 20211203

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/m³	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

STORAGE AND HANDLING

Polyethylene material 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 don't 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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