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SABIC® HDPE T5E01BG

HIGH DENSITY POLYETHYLENE FROM TRUCIRCLE™ PORTFOLIO
REGION EUROPE

DESCRIPTION

SABIC® HDPE T5E01BG Green is a polyethylene resin, which is formulated with 50% post-consumer recycled plastics.
The grade is part of SABIC's TRUCIRCLE™ portfolio and services.
It can be used for blow molding of consumer packaging up to 5 l for household and industrial chemicals, such as detergents, cleaners, shampoos and cosmetics.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190 °C and 2.16 kg	0.3	dg/min	ISO 1133
at 190 °C and 5 kg	1.2	dg/min	ISO 1133
at 190 °C and 21.6 kg	30	dg/min	ISO 1133
Density (1)	964	kg/m³	ISO 1183
MECHANICAL PROPERTIES (1) (2)			
Izod impact notched			
at 23 °C	5	kJ/m²	ISO 180/A
ESCR (10% Igepal CO-630), F50	40	h	ASTM D1693B

(1) Compression moulding of test specimen according to ISO 1872-2
(2) Conditioning of test specimen: temp. 23 °C, relative humidity 50 %, 24 hours