Producer: Braskem / Europe

HS 5103

Description:

HS5103 is a high molecular weight high-density polyethylene, hexene copolymer, produced through "Loop Slurry" process. Suitable for large parts blow molded an L-ring drum. Exhibit an outstanding impact resistance, excellent stress cracking resistance (ESCR) and good wall thickness uniformity during processing.

Application :

L-ring drum and general large parts blow molded.

Process :

Blow Molding.

TYPICAL PROPERTIES	ASTM METHOD	UNITS	VALUES
Melt Flow Rate (190°C/21.6 kg)	D 1238	g / 10 min	3.0
Density	D 792	g / cm³	0.951
Tensile Strength at Yield	D 638	MPa	27
Tensile Strength at Break	D 638	MPa	37
Flexural Modulus - 1% Secant	D 790	MPa	1120
Shore D Hardness	D 2240	-	66
Izod Impact Strength	D 256	J / m	777
Environmental Stress Cracking Resistance[b]	D 1693	h / F50	125
Environmental Stress Cracking Resistance[c]	D 1693	h / F50	555
Deflection Temperature under Load at 0.455 Mpa	D 648	°C	71
Vicat Softening Temperature at 10 N	D 1525	°C	131

(a) - Compression moulding conditions of test specimen (according to ISO 293): moulding temp: 160 °C, cooling rate: 40 °C/min

(b) - Conditioning of test specimen: temp. 23 °C, relative humidity 50 %, 24 hours

(c) - Speed of testing: 50 mm/min

Processing Conditions :

Recommended melt temperatures: 190-2200C

Food Regulations:

Certificate is avilable on request

Address: Barakfaki San. Bol. Ankara Yolu 16.Km Kestel / Bursa / Turkey Tel: +90 224 384 15 31 Fax: +90 224 384 13 53
www.burkayugur.com