Braskem PE HT5303

High Density Polyethylene

Braskem

Message:

HT5303 is a high density polyethylene, hexene copolymer, produced through Unipol® process and developed for the manufacturing of corrugated pipes. It exhibits an appropriate balance between stiffness, impact and stress cracking resistance, as well as a high resistance to oxidative degradation.
Application:
Corrugated pipes for energy and telecom cables protection and for drainage of roads and sports fields.
Process:
Pipe Extrusion.

General Information			
Features	Rigid, good High ESCR (Stress Cracking Resistance) hexene comonomer Impact resistance, good		
Uses	Bellows Piping system		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Pipeline extrusion molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.954	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.30	g/10 min	ASTM D1238
190°C/21.6 kg	26	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
50°C, 2.00mm, 10% Igepal, molded, F50	43.0	hr	ASTM D1693
50°C, 2.00mm, 100% Igepal, molded, F50	168	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Compression Molded)	64		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, molding	30.0	MPa	ASTM D638
Fracture, molding	33.0	MPa	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1140	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Compression Molded)	100	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**

Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	128	°C	ASTM D648
Vicat Softening Temperature	66.0	°C	ASTM D1525 [1]
Oxidation Induction Time [2] (200°C)	> 25	min	ASTM D3895
NCLS [3]	> 24	hr	ASTM F2136

NOTE	
1.	压 力1 (10N)
2.	Compression Molded
3.	Compression Molded

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

WECHAT