

Electrafil® HDPE C GY03 MB

High Density Polyethylene

Techmer Engineered Solutions

Message:

Electrafil® HDPE C GY03 MB is a High Density Polyethylene product. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
UL File Number	E157318		
Appearance	Black		
	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.2	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	21.4	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	29.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	96.1	°C	
1.8 MPa, Unannealed	54.4	°C	
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6 to 1.0E+8	ohms	ASTM D257
Volume Resistivity	1.0E+6 to 1.0E+8	ohms · cm	ASTM D257
Static Decay	< 0.2	sec	FTMS 101B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any

infringement occurs, please contact us immediately.

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

