

Questionnaire for calculating of LDPE Reactor Bearings with Tungsten Carbide.

Company: Country: Town:

Contact man: Date:

Reactor typ: Size in litre:

Top Motor Bearing:	YES	NO	Bottom Motor Bearing:	YES	NO
Top Reactor Bearing:	YES	NO	Stirrer Reactor Bearing:	YES	NO
Bottom Reactor Bearing:	YES	NO			

1) Weight of rotor in motor?			kgs
2) Electric motor power?			kW
3) Motor speed in rpm?			rpm
4) Frequency speed regulation of electric motor?	YES	NO	
5) Electric Du/Dt- filters?	YES	NO	
6) Weight of stirrer shaft?			kgs
7) Length of stirrer shaft?			m
8) Max bending of stirrer shaft?			mm
9) Max heat elongation of stirrer shaft?			mm
10) Velocity of ethylene gas?			m/sec
11) Volume of ethylene gas?			Ton/h
12) Temp of incoming gas?			°C
13) Pressure inside reactor?			bar
14) Min and max time for decomp?	min:	max:	sec

15) Rotation of motor/stirrer, seen from above? Clockwise: Counterclockwise:

16) Temperature in centigrade °C at special places at different stages?

	Start up	Normal	Shut down	Decomp	MAX	17) Percent of	
						Gas	Polymer
Top Motor Bearing, Temp. °C							
Bottom Motor Bearing, Temp. °C							
Top Reactor Bearing, Temp. °C							
Stirrer Reactor Bearing, Temp. °C							
Bottom Reactor Bearing, Temp. °C							

18) Type and model of the standard bearing used today (ball/ roller bearing)?

	19) Lubrication?	
	YES	NO
Top Motor Bearing		
Bottom Motor Bearing		
Top Reactor Bearing		
Stirrer Reactor Bearing		
Bottom Reactor Bearing		

Thank you for your help.

Dated:

Please mail to: