

PE & PP Manufacturer List

North America -Part-2 (6)

Region / Country	Ownership, Partnership Manufacturer or Project entity	Location, Site	Category:		Capacity, Process, Technology, Engineering, Catalyst, Noted Products	Start-up, Expansion, Closure	Line (s)	Capacity (Year/End, KT/Y)					2022-Plan, Expansion, News			
			C2, C3 /	Polymer				2017	2018	2019	2020	2021				
Flint Hills Resources (FHR) →2019年 Invista が買収 ↓ Invista が所有者	from Huntsman Corp. 2014/7, bought PetroLogistics, C3 producer (see below) 100% subsidiary of Koch Industries, Inc. from Eastman Chem from Huntsman Flint Hills Res. TTL	Odesa, TX	C2	360KT	1,175KT with 3 lines	SD		0	0	0	0	0				
		Port Arthur	C2	621K*T		既存		621	621	621	621	621				
		Port Neches	C2	180KT		SD		0	0	0	0	0				
			C3	from abv + FCC by purchasing			既存		752	752	752	752	752			
		Houston, Texas	C3	PDH; Cap. 635KTA, 2017/10 started, しかしいったん休止			休止→2018 再スタート		(635)	658	658	658	658			
		Odessa, TX		HP-LD	Auto		2009 closed		0	0	0	0	0	PE事業より Exitすると		
				HP-LD	Tube		2009 closed		0	0	0	0	0			
				LLD	Solution DSM/Stamicarbon			2009 closed		0	0	0	0			
				Longview, TX	PP	Unipol (2 Rx) , ICP			1	220	220	220	220	220		
					PP	Unipol (1 Rx)			1	200	200	200	200	200		
				Marysville, IL	PP	Hypol				0	0	0	0	0		
				Odessa, TX	PP	Rexene Bulk				2002, 1 line closed	2	90	90	90	90	
				Woodbury, NJ	PP	Shell Slurry				1999 closed		0	0	0	0	
										PE ttl	0	0	0	0	0	
								PP ttl	4	510	510	510	510	510		

Invista ; Flint Hills 関連ニュース;

2022/1/6 Invista completes acquisition of propylene business from Flint Hills Resources

買収した ; Invista, Flint Hills Resources are both subsidiaries of Koch Industries; deal includes PDH, PP facilities in Houston and Longview, Texas.

2019/08/23 サウジアラムコの米子会社、Flint Hillsから石化拠点を買収

Ineos Olefins and Polymers (つづく)	CPC/Solvay 50/ 50 JV ---> CPC withdrawal, BP Solvay --> Innovene --> Ineos	Chocolate Bayou, Alvin, TX	C2	1,752KT with 2 crackers as below.		ベース	1,772	1,772	1,772	1,772	1,772	1,070 KTA という数字もあるが
			C2	2012: plans to boost ethylene capacity by 6.5% 2013: expects the debottleneck project to produce an additional 115KTA 2012/4: 米テキサスで計画のエタン分解炉をKBRに発注.	増強, 2013/E 完成		115	115	115	115	115	↑上の数字はおかしい, HPによれば, 1,800KTAである

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			C2, C3 /	Polymer				2017	2018	2019	2020	2021		
Ineos Olefins & Polymers, USA		未定プロジェクト	C2	新設大型計画あり, 他との合弁か? 再検討中?							0	0	状況不詳	
			C3					235	235	235	235	235		
			C4					440	440	440	440	440		
			LAO	新設計画										
		Own	Baytown, Texas	HD	Tech: Phillips PF Loop, BE&K(partnered with Technip) EPC		2002 started	2	318	318	318	318	318	
		BP Solvay --> Innovene --> Ineos	Deer Park, TX	HD	Phillips PF Loop		BP 136KT closed, 2003		0	0	0	0	0	Closure due to CPC JV start-up
		BP→Innoven→Ineos	Ceder Bayou, TX	HD	Solvay Loop		2009 127KT SD	2	190	190	190	190	190	
	HD			Solvay Loop			2	190	190	190	190	190		
	HD			Solvay Loop			1	195	195	195	195	195		
	HD			Solvay Loop			1	195	195	195	195	195		
	PP			Amoco Slurry		2002 closed 272KT		0	0	0	0	0		
		Chocolate Bayou, TX		PP	Amoco Gas	Uncertain, 2008, 150KT PP Expansion	1	260	260	260	260	260		
	PP			Amoco/Chisso	1		170	170	170	170	170	170		
	PP			Amoco Gas (1 Rx)		1999 started	1	340	340	340	340	340		
	PP			Hercules Slurry		2001, closed 200KT		0	0	0	0	0		
		BP (former Solvay)	Deer Park, TX	PP	Phillips Loop		2009 closed		0	0	0	0	0	Closed
	PP			Unipol			1	160	160	160	160	160		
		2000, Arco PP merged by BP (---> to Ineos)	Carson, CA	PP	Unipol		2000 started	1	230	230	230	230	230	増強計画あり
		Ineos TTL					PE ttl	8	1,088	1,088	1,088	1,088	1,088	
		Ineos, RD facilities: Naperville に pilot plants あり.					PP ttl	5	1,160	1,160	1,160	1,160	1,160	