



Products for Olefin Purification

Application	PuriStar®	Selexsorb®	Other (Guard beds)
Treatment of ethylene used in PE unit or styrene units	R3-15, R3-16	CD, CDL, COS, COS <i>i</i>	R0-20, Zn 9201
Treatment of propylene used in PP and cumene units	R3-12, R3-22, R3-15, R3-17RED	As, CD, CDL, (CDX), COS, COS <i>i</i>	H0-14, Prosorb, Prosorb P
Treatment of C2 and C3 streams in front of selective hydrogenation units in steam crackers	R9-PAR, R9-SR	–	E 315
Treatment of streams in PDH units	R3-12, R3-22, R9-PAR, R9-SR	As, CD, CDL, COS, COS <i>i</i>	E 315
Treatment of streams in OCT units	–	CD, CDL, COS, COS <i>i</i>	–
Treatment of streams from catalytic cracking units (ERU, PRU)	R3-12, R3-81, R8-21, R9-PAR, R9-SR	As, CD, COS, COS <i>i</i> , Hg	E 315, H0-14
Treatment of higher olefins	R3-12, R3-22, R3-17RED	CD, CDL, COS, COS <i>i</i>	Prosorb, Prosorb P

New product

Technical information

The portfolio consists of different adsorbents made from base metals or from alumina, the case being in combination with different zeolites. The materials can be used in

- Sacrificial mode, like PuriStar® R3-12 / -22, R9-PAR/-SR or Selexsorb® As
- In regenerative mode, (TSA) like Selexsorb® CD / CDL or COS / COS*i*
- In redox* mode, like PuriStar® R3-11G / -15 / -16
- In catalytic** mode, like PuriStar® R0-20, H0-14 or R3-81

* Redox mode: used in reduced form being oxidized or used in oxidic form and being reduced during the operating cycle

** Working as catalyst and typically using H₂ as one of the reactants

For more details on the applications, refer to the [Application Olefin Purification sheet](#).

3 reasons to buy our product / benefits



Market-leading adsorbent solutions



Optimal and reliable removal efficiency



Continuous adaptation to new market requirements



We create chemistry

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