

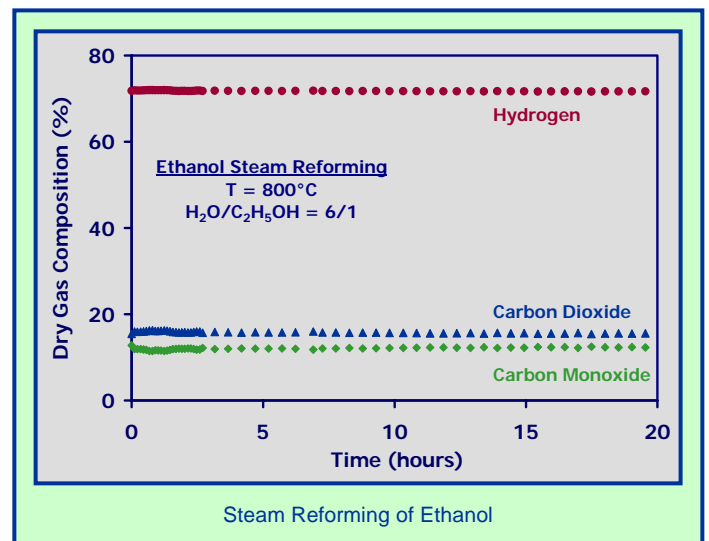
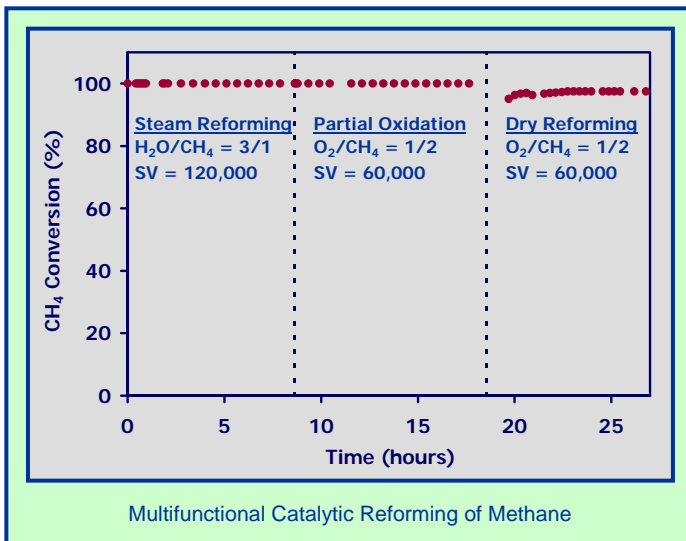


Fuel Processing Catalysts

NexTech Materials has established a number of highly active catalyst formulations using its proprietary technologies for producing ceria-based support oxides incorporating catalytic metals at high dispersion levels. These catalysts can be used in a wide variety of chemical reactions and have been extensively tested in fuel processing applications.

Benefits

- ❑ High activity over a range of reactions and temperatures
- ❑ Lower amounts needed to sustain reaction
- ❑ Demonstrated resistance to sulfur-containing gases for longer lifetime
- ❑ Regeneration and recovery of activity possible for extending lifetimes
- ❑ No activation of catalyst required, saving start-up time and money
- ❑ Non-pyrophoric – does not deactivate in presence of oxygen or water
- ❑ A variety of forms (powders, pellets, etc.) to fit your reactor needs
- ❑ Small and large quantities available to optimize your investment

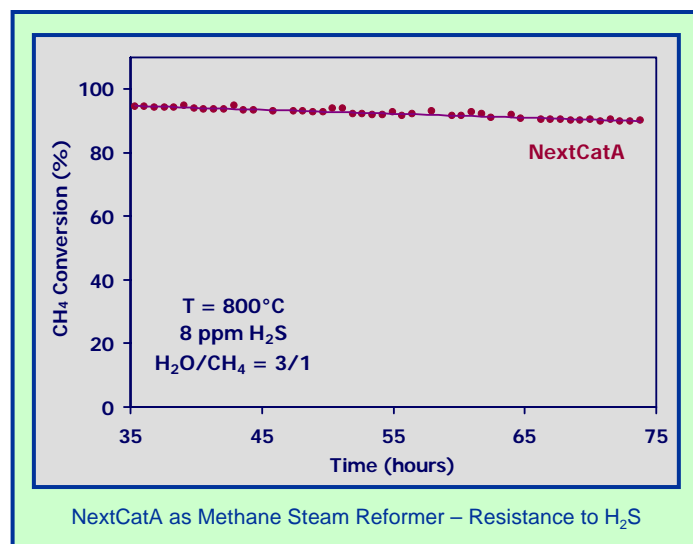
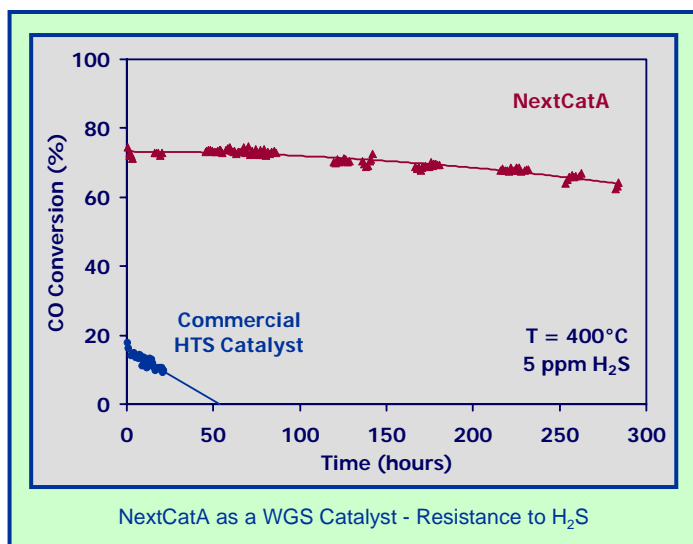
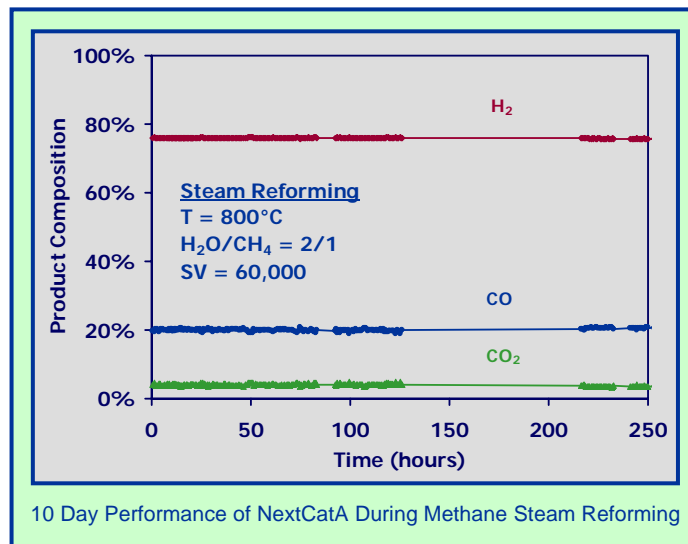


Contact us for custom catalyst development services

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Available Formulations		
Product Name & Catalytic Metal Content	Operating Temperatures	Sulfur Resistance*
NextCatA (2% Pt)	400-800°C	(<10 ppm H ₂ S)
NextCatB (2% Pt)	<400°C	none
NextCatC (1% Pt)	<400°C	none
Standard formats are fine powders, granules and 3x5 mm cylindrical pellets. Formats and formulations for your particular needs can be prepared under contract.		
* Resistance to sulfur has been demonstrated under specific, well controlled laboratory conditions and there is no guarantee of performance for any application.		

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