

KATALCO_{JM} 71-5 High temperature shift catalyst

Product benefits

- High activity due to the use of a structural promoter to increase gas diffusion rates.
- Improved strength and robustness, especially in the reduced state, to give increased tolerance for upstream boiler leaks.
- Provides flexibility to operate at low steam ratio without concern for side reactions (Fischer Tropsch).
- Ultra-low sulphur content practically eliminates desulphiding times.
- A range of sizes to allow optimization of activity and pressure drop in customized loading.

Product uses

- Used in the shift stage of ammonia, hydrogen and Towns Gas plants to react CO with steam to produce H₂ and CO₂.

General description

- **KATALCO_{JM} 71-5** is a high activity copper promoted iron-chrome catalyst.

	Physical properties (typical)				Chemical composition (loss free basis, typical)	
	KATALCO _{JM} 71-5	KATALCO _{JM} 71-5	KATALCO _{JM} 71-5	KATALCO _{JM} 71-5		
Form	Pellet	Pellet	Pellet	Pellet	Fe₂O₃	86 wt%
Diameter	5.4 mm	6 mm	8.5 mm	9.0 mm	Cr₂O₃	9 wt%
Length	3.6 mm	6 mm	4.9 mm	7.0 mm	CuO	2.6 wt%
					S	<0.025 wt%
Loaded density	1220 kg/m ³	1220 kg/m ³	1220 kg/m ³	1220 kg/m ³		
Av. Crush strength	140 kg _r (axial)	250 kg _r (axial)	300 kg _r (axial)	300 kg _r (axial)		

Shipping & handling

- Avoid contact with skin and clothing. Avoid breathing dust. Do not take internally. Please refer to the relevant material safety data sheet for further information.
- **KATALCO_{JM} 71-5** is available in non-returnable polythene lined mild steel drums or bulk bags for easy loading.

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