

**NEW** catalyst offering  
for **Olefin** processes



Name	Composition	Shape	Size (mm)	Application
<b>Acetylene conversion</b>				
PRICAT PD 308/2	Pd, alumina	tablet	3 x 3	selective acetylene hydrogenation in ethylene (front-end)
PRICAT PD 308/6	Pd, alumina	tablet	3 x 3	selective acetylene hydrogenation in ethylene (front-end)
PRICAT PD 308/7	Pd, alumina	tablet	3 - 3	selective acetylene hydrogenation in ethylene (front-end)
PRICAT PD 408/5	Pd, alumina	sphere	2 - 4	selective acetylene hydrogenation in ethylene (tail-end)
PRICAT PD 408/7	Pd, alumina	sphere	2 - 4	selective acetylene hydrogenation in ethylene (tail-end)
PRICAT PD 608/1	Pd, alumina	sphere	2 - 4	selective acetylene hydrogenation in ethylene (tail-end)
<b>MAPD conversion</b>				
PRICAT PD 308/5	Pd, alumina	sphere	2-4	MAPD vapour phase
PRICAT PD 309/3	Pd, alumina	trilobe extrudate	2.5	MAPD liquid phase
PRICAT PD 468	Pd, alumina	sphere	2 - 4	MAPD liquid phase
PRICAT PD 469	Pd, alumina	sphere	2 - 4	MAPD liquid phase
<b>C4 and C5 conversions</b>				
HTC NI 400 RPS	Ni, alumina	trilobe extrudate	2.5	C5 selective hydrogenation
HTC NI 500 RP	Ni, alumina	trilobe extrudate	1.2	C4 and C5 full hydrogenation
PRICAT PD 309/4	Pd, alumina	trilobe extrudate	2.5	C4 hydrogenation (selective and full)
PRICAT PD 309/5	Pd, alumina	trilobe extrudate	2.5	C5 selective hydrogenation
PRICAT PD 468	Pd, alumina	sphere	2 - 4	C4 selective hydrogenation
PRICAT PD 469	Pd, alumina	sphere	2 - 4	C4 and C5 hydrogenation (selective and full)
PRICAT PD 493	Pd, alumina	sphere	2 - 4	C4 and C5 hydrogenation (selective and full)
<b>Pyrolysis gasoline</b>				
HTC NI 200	Ni, alumina	trilobe extrudate	2.5	selective hydrogenation of dienes and aromatic olefins
HTC NI 400	Ni, alumina	trilobe extrudate	2.5	selective hydrogenation of dienes and aromatic olefins
HTC NI 500	Ni, alumina	trilobe extrudate	2.5	selective hydrogenation of dienes and aromatic olefins
PRICAT PD 309/6	Pd, alumina	trilobe extrudate	2.5	selective hydrogenation of dienes and aromatic olefins
PRICAT PD 469	Pd, alumina	sphere	2 - 4	selective hydrogenation of dienes and aromatic olefins
<b>Phenyl acetylene selective hydrogenation</b>				
HTC NI 200 RPS	Ni, alumina	trilobe extrudate	2.5	phenyl acetylene selective hydrogenation
PRICAT PD 309/5	Pd, alumina	trilobe extrudate	2.5	phenyl acetylene selective hydrogenation
<b>Purification</b>				
PURASPEC 3020		sphere	2.8 - 4.75	removal of COS and H <sub>2</sub> S in monomer streams
PURASPEC 3110		sphere	2 - 4.75	removal of chloride in import ethylene
PURASPEC 3410		tablet	3.3 x 3.7	conversion of acetylenes in monomer streams
PURASPEC 3450		sphere	2.5 - 4.75	removal of CO and O <sub>2</sub> in monomer streams
PURASPEC 5040		sphere	1 - 2.8	removal of H <sub>2</sub> S and COS in LPG feed
PURASPEC 5110		sphere	2 - 4.75	removal of chloride in LPG feed
PURASPEC 5158		sphere	2 - 4	removal of mercury in LPG and liquid feeds
PURASPEC 5312		sphere	3	conversion of COS in LPG feed
PURASPEC 7040		sphere	1 - 2.8	removal of H <sub>2</sub> S and COS in monomer streams
PURASPEC 7085		sphere	1.4 - 3.4	removal of H <sub>2</sub> S and COS in import propylene
PURASPEC 7110		sphere	2 - 4.75	removal of chloride in propylene streams
PURASPEC 7151		sphere	2.5 - 4.75	removal of arsine in monomer streams
PURASPEC 7168		sphere	2 - 4	removal of mercury in C3 and C4 fractions
PURASPEC 7312		sphere	3	conversion of COS to H <sub>2</sub> S to facilitate sulphur removal in monomer streams
<b>Methanation</b>				
KATALCO 11-4	Ni, refractory oxides	tablet	5.4 x 3.6	removal of carbon monoxide
KATALCO 11-4R	Ni, refractory oxides	tablet	5.4 x 3.6	removal of carbon monoxide
KATALCO 11-4M	Ni, refractory oxides	tablet	31. x 3.6	removal of carbon monoxide
KATALCO 11-4MR	Ni, refractory oxides	tablet	31. x 3.6	removal of carbon monoxide
<b>Catalyst support bed material and active guard material</b>				
HCG 6300	Ni, alumina	4 hole cylinder	35 x 20	active guard material to hydrogenation catalysts
KATALCO 92-1 A to J	alumina	sphere	various	catalyst support bed material
KATALCO 92-2 A to J	alumina/silica	sphere	various	catalyst support bed material

For further information on Johnson Matthey **Chemical Catalysts**, contact your local sales office or visit our website at [www.jmcatlysts.com](http://www.jmcatlysts.com)

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