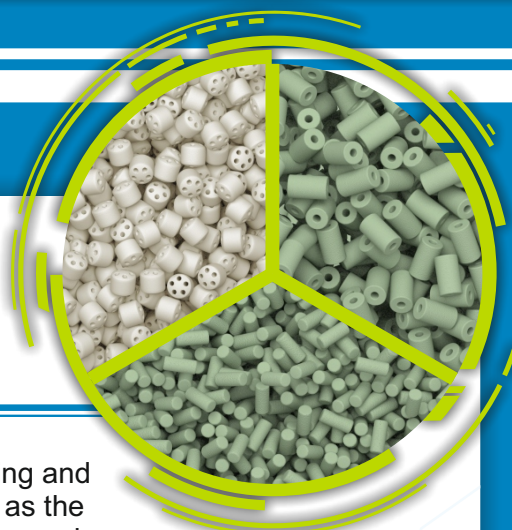


Catalysts of protective layer



Principle application:

Catalysts of protective layer are designed for hydrocracking and hydrotreating processes of heavy oil and middle distillates as the contact layer and the protective layer in different installations and petrochemical refining processes.

The protective gradient catalytic system allows significantly reduce impact of sediments on pressure drop in the reactor, significantly improve the distribution of the gas-feed stream in the reactor, removes impurities, unsaturated compounds and catalytic poisons contained in the raw material before the feed gas mixture enters on the base layer catalyst, which improves the duration of single-pass lifespan and the overall service life of the catalytic system.

Property	KNT-300	KNT-310	KNT-326	KNT-330	KNT-351
Appearance	Cylinder	Cylinder with channels	Disk with channels	Ring	Extrudate
Bulk density, g/cm ³ , not more than	1,5	1,1	0,5-1,2	0,5-0,95	0,5-0,8
Granules size, mm					
- outer diameter	16-20	16-20	42-50	2,5-7,0	1,4-5,0
- height	13-17	13-17	15-22	-	-
- inner channels' diameter	-	2,0-3,0	-	-	-
Active components mass fraction, %:					
- Molybdenum Trioxide MoO ₃	-	-	-	8,0-12,0	11,0-13,0
- Nickel Oxide NiO	-	-	-	0,5-4,0	3,0-4,0
Ignition loss at temperature (550±10)°C, %, not more than	3	3	3	3	3
Grit, %, not more than	0,5	0,5	0,5	1,0	1,0

OUR CUSTOMERS

