

COA of Solid Phosphoric Acid Catalyst

It is the latest generation solid phosphoric acid catalyst ,researched by Zibo Jiulong Chemical Co., Ltd..Adding special component , it possesses better activity, selectivity,crushing strength, mudding-resistance and long-lifetime, etc.

It is mainly used in the polymerization from propylene into alkene that the number of carbon atom are nine or twelve. It also can be used in the process of butene polymerizing into the alkene that the number of carbon atom are from eight to sixteen, the butene polymerizing into high octane number gasoline, iso-butene double polymerizing into iso-octane, and benzene reacting with propylene into iso-propyl benzene, etc.

appearance	White or grey-white extrudates
Particle size, mm	$\Phi 6.0 \times (5-25)$
packing density, kg/L	0.9-1.1
crushing strength, N/c m ²	200min
Phosphorus pentoxide content, %	60min
Free acid(phosphorus pentoxide) ,%	15min

Reference Operating conditions:

process parameters	Pressure, Mpa	Temperature, °C	volume space velocity, h ⁻¹
	3.0-5.0	160-230	2.0
Feed stock	Alkene content :40-55%, the balance is alkane		
product	propylene converting rate 80%min, total alkene selectivity over 80%min.		

