



Propylene Oligomerization Catalyst

T-49™ and T-99™ catalysts are the solid phosphoric acid-diatomite catalysts for propylene oligomerization, which is the way for production of nonene and dodecene. SRIPT can provide these catalysts in pellet form.

Feedstock

Diene and alkylene	<0.2 m %
Sulfur	<20 mg·kg ⁻¹
Water	600~1000 mg·kg ⁻¹
Nitrogen	<0.6mg·kg ⁻¹

Performance

Catalyst cycle length, day:	60
LHSV, hr ⁻¹ :	2~3
Reaction pressure, MPa:	4.5~5.5
Reaction temperature, °C:	160~210
Propylene content, vol%:	45~50
Propylene conversion:	
Yield per pass	≥76
Total conversion	>95
Product selectivity:	
C ₉	55~60
C ₉ +C ₁₂	75~80
Liquid yield, kg liquid/kg cat.:	≥500

Contacts Information

1658 Pudong Beilu
Pudong New Area, Shanghai 201028
China
Tel: 021-68462824
Fax: +021-68462283