Akzo Nobel Titanocene Dichloride (TDC) Catalyst

Category : Other Engineering Material , Catalyst/Initiator , Polymer

Material Notes:

Titanocene Dichloride and derivatives are used as hydrogenation catalyst for rubbers, like SBS and SEBS, to improve heat stability and resistance to ozone/oxidation. Titanocene Dichloride can also be used with polymethylaluminoxane as a catalyst for metallocene type olefin polymerizations. Titanocene Dichloride is a useful reagent for a wide variety of synthetic transformations. It can be used with Grignard reagents for the reduction of aryl and vinyl halides; with magnesium for the reduction of organic halides, azo compounds, haloketones, and haloesters; with sodium for the reduction of aliphatic aldehydes, esters, and epoxides; for the reductive decyanation of alkyl nitriles; and the reduction of olefins. Titanocene Dichloride has been used with alkylaluminum compounds for the alkylation of a-olefins and alkynylsilanes. It can be reacted with trimethylaluminum to form Tebbe reagent, which is used to transform a carbonyl into a methylene group. Akzo Nobel can further convert Titanocene Dichloride into derivatives required by the customer, e.g. by substituting the Cl-atoms by other groups or by replacing the cyclopentadienyl rings with substituted cyclopentadienyl rings.Chemical description: Titanocene dichlorideCAS Number: 1271-19-8Acronym: TDCInformation provided by Akzo Nobel Polymer Chemicals.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Akzo-Nobel-Titanocene-Dichloride-TDC-Catalyst.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in³	
Molecular Weight	249 g/mol	249 g/mol	

Thermal Properties	Metric	English	Comments
Melting Point	287 - 289 °C	549 - 552 °F	

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