

COMCAT NdFC/G2 (0,06 mol/l Nd)

PRODUCT SPECIFICATION SHEET

Rev 09: 02/12/2021

PRODUCT DESCRIPTION

Neodymium Aluminium Alkyls Pre-formed Catalyst Solution in Hexanes

SPECIFICATIONS

Properties	Units	Limits	Test Method
Appearance	Visual	Dark green solution without visual precipitations	Visual
Specific Gravity	kg / l	0,7000 – 0,7300	ASTM D 1298
Neodymium content	mol / l	0,0525 – 0,0625	CC083
Aluminium content	mol / l	0,7400 – 0,9800	CC084
Chlorine content	mol / l	0,1400 – 0,2000	CC082
DIBAH : Nd ratio		12,5000 – 13,5000	Calculated
Cl : Nd ratio		2,80 – 3,30	Calculated
Transport temperature	°C	Target < minus 10 degC	
Conversion at 10 minutes	%	60 min.	CC-069A
Mooney Viscosity ML 1+4 @ 100 deg.C		35 - 45	CC086
Molecular weight Mn	kg/mol PS	150 - 300	CC085
Molecular weight Mw	kg/mol PS	500 - 700	CC085
Polydispersity Index		2,8 max	Calculated (Mw/Mn)
Cis content	%	96 min	CC087

Note 1: Polymer synthesised according to Test Method CC-069A with catalyst dosage rate of 0.92 mmol Nd/kg monomer for approx. Mooney 40

APPROVED BY TECHNICAL MANAGER

SIGNATURE

