


**COMCAT Nd-FC 20/ G2**  
**PRODUCT SPECIFICATION SHEET**  
 Rev 08: 14/09/2018

<b>PRODUCT DESCRIPTION</b>			
<b>Neodymium Aluminium Alkyls Pre-formed Catalyst Solution in Hexanes</b>			
<b>SPECIFICATIONS</b>			
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	WET 025
Aluminium content	mol / l	0.7400 – 0.9800	WET 026
Chlorine content	mol / l	0.1400 – 0.2000	WET 027
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	P 021 (Note 1)
Molecular weight Mn	kg/mol PS	150 - 300	R&D 001 (Note 1)
Molecular weight Mw	kg/mol PS	500 - 700	R&D 001 (Note 1)
Polydispersity Index		2.8 max	Calculated (Mw/Mn)
Cis content	%	96 min	P 001 (Note 1)

**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
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