RESIFA™ SUNSPERA

RESIFA™ SUNSPERA™ Catalyst Supports for Polyolefin

For Slurry/Cascade Polyolefin Polymerization Processes

Grade		HH Series High Surface Area, Hard Particles				HB Series High Surface Area, Breakable Particles			LB Series Low Surface Area, Breakable Particles	
		H-31	H-51	H-121	H-201	H-52	H-122	H-53	L-52	L-123
Sutable for		Polyolefin snot requiring transparency				Polyolefins requiring transparency such as HDPE and MDPE			Polyolefins requiring transparency suce as LLDPE Metallocene	
Mean particle size	μm	3	5	12	20	5	12	5	5	12
Specific surface area	m^2/g	800	800	800	800	700	700	700	300	300
Pore volume	mL/g	0.9	0.9	0.9	0.9	1.6	1.8	1.8	1.6	2.0
Pore diameter	nm	4.5	4.5	4.5	4.5	-	-	-	12	20
Oil absorption capacty	mL/100g	150	150	150	150	300	300	400	300	400

For Gas Phase Polyolefin Polymerization Processes

Grade		DM Series	
		DM L-303	D-70-120A (LV)
Mean particle size	μm	35	65
Specific surface area	m^2/g	300	450
Pore volume	mL/g	2.1	1.7
Pore diameter	nm	60	15
Span value	-	0.5	0.95
Mechanical strength	MPa	2.9	6.3

*Particle size and Span value measured wtih Floe Partical Image Analysis

* Pore diameter - Peak Pore Diameter

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AGC Chemicals Americas, Inc.
55 E. Uwchlan Avenue, Suite 201
Exton, PA 19341, USA

Telephone: +1 610-423-4300
Toll Free (US only): 800-424-7833
Fax: +1 610-423-4305

www.agcchem.com
Visit our website for compliance information and industry certifications.

AGC Chemicals Company
AGC Inc.
Shin-Marunouchi Bldg.
1-5-1 Marunouchi
Chiyoda-ku, Tokyo
100-8405 Japan
Tel: +81-3-3218-5438
www.agc-chemicals.com

AGC Asia Pacific Pte., Ltd.
460 Alexandra Road
#32-01 mTower
Singapore 119963
Tel: +65 6273 5656
www.agc-asiapacific.com

AGC Chemicals Trading (Shanghai) Inc.
Room 4008/09, F40, T1
Raffles City Changning
No.1133 Changning Road
Shanghai, China 200051
Tel: +86-21-6386-2211
www.agc-chemicals.com/cn/zh/

AGC Chemicals Europe, Ltd.
Hillhouse International
Fleetwood Road North
Thornton-Cleveleys
FY5 4QD
United Kingdom
Tel: +44 (0) 1253 209560
www.agcce.com

AGC Chemicals Europe, Ltd. Commercial Centre
World Trade Center, Zuidplein 80
1077 XV Amsterdam, Netherlands
Tel: +31-(0)-20-880-41-70
www.agcce.com

AGC Vidros do Brasil Ltda.
Estrada Municipal Doutor Jaime
Eduardo Ribeiro Pereira, 500
Jardim Vista Alegre
Guaratinguetá, SP, Brasil
CEP 12523-671
Tel: +55 12 3127-7100
www.agcchem.com/pt-br/

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AGC

AGC Chemicals Americas, Inc.
55 E. Uwchlan Avenue, Suite 201
Exton, PA 19341
United States of America

Telephone: +1 610-423-4300
Toll Free (US only): 800-424-7833
Fax: +1 610-423-4305

www.agcchem.com
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