

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 with Floe Partical Image Analysis

* Pore diameter - Peak Pore Diameter

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for a Blue Planet**
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