

# GUR® GHR 8020

High Density Polyethylene

Celanese Corporation

## Message:

GHR 8020 is a linear polyolefin in powder form with a molecular weight of approximately 300,000 g/mol calculated using Margolies' equation and a coarse particle size. It is mainly used for production of porous products. The average particle size is  $d_{50} = 210 \pm 20 \mu\text{m}$ . The bulk density is approx. 0.45 g/cm<sup>3</sup>.

General Information			
RoHS Compliance		Contact Manufacturer	
Forms		Powder	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	3.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	19.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	10	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 50	%	ISO 527-2/1A/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ASTM D1525
Melting Temperature <sup>1</sup>	133	°C	ISO 11357-3
CLTE - Flow	2.0E-4	cm/cm/°C	ASTM D696
Specific Heat	1840	J/kg/°C	Internal Method
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	10°C/min		

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## Recommended distributors for this material

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