

EXCELLEN® GMH CB1001

Polyethylene

Sumitomo Chemical Asia

Message:

Easy Processing Polyethylene (EPPE), Foam
Applications: For shoe sole, foam applications

General Information			
Features	Additive Free		
	Fast Molding Cycle		
	Good Impact Resistance		
	Good Processability		
	High Strength		
Uses	Foam		
	Footwear		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.912	g/cm ³	JIS K7112
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.20	g/10 min	JIS K6922-1
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	48		JIS K7215
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	24.0	MPa	JIS K7113
Tensile Elongation (Break)	830	%	JIS K7113
Flexural Modulus	120	MPa	ASTM D747-70
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	900	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	100	°C	DSC

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