

EMOPLLEN® HP GFR 40

Polypropylene Homopolymer

EMAS Plastik San.Tic.AS.

Message:

Polypropylene %40 glass fiber reinforced

General Information			
Filler / Reinforcement	Glass Fiber		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.20 to 1.26	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 to 16	g/10 min	ISO 1133
Molding Shrinkage	0.25 to 0.35	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70 to 75		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000 to 7500	MPa	ISO 527-2
Tensile Stress (Yield)	70.0 to 110	MPa	ISO 527-2
Tensile Strain (Break)	> 4.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 8.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
Vicat Softening Temperature	120	°C	ISO 306/B
Melting Temperature (DSC)	160	°C	ISO 3146

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