

EMOPLLEN® HP MCF 45

Polypropylene Homopolymer

EMAS Plastik San.Tic.AS.

Message:

Polypropylene %45 calcite filled

General Information			
Filler / Reinforcement	Calcium Carbonate		
Features	Homopolymer		
Physical	Nominal Value	Unit	Test Method
Density	1.25 to 1.30	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 to 15	g/10 min	ISO 1133
Molding Shrinkage	0.80 to 0.90	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65 to 70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000 to 5000	MPa	ISO 527-2
Tensile Stress (Yield)	30.0 to 50.0	MPa	ISO 527-2
Tensile Strain (Break)	> 10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 4.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	105	°C	ISO 75-2/A
Vicat Softening Temperature	105	°C	ISO 306/B
Melting Temperature (DSC)	160	°C	ISO 3146

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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