

SCANFILL BOTTLE BY45C2

High Density Polyethylene
Polykemi AB

Message:
Blow moulding grade

General Information			
Filler / Reinforcement	Filler,45% Filler by Weight		
Uses	Blow Molding Applications		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.10	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	20.0	MPa	ISO 527-2
Tensile Strain (Yield)	15	%	ISO 527-2
Flexural Modulus (23°C)	1800	MPa	ISO 178
Flexural Stress	31.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-20°C	18	kJ/m ²	
23°C	28	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	42.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	125	°C	ISO 306/A50
--	68.0	°C	ISO 306/B50
NOTE			
1.	120°C/hr		

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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

