

Terralene® WF 3516

High Density Polyethylene
FKuR Kunststoff GmbH

Message:

High desnity polyethylene with narrow molar mass distribution, containing a low amount of wood fibers and functional additives. Recommended for the production of injection moulded articles.

General Information			
Filler / Reinforcement	Wood Fiber		
Additive	Unspecified Additive		
Features	Narrow Molecular Weight Distribution		
	Recyclable Material		
	Renewable Resource Content		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.01	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11 to 13	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1310	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	23.0	MPa	
Break	22.5	MPa	
Tensile Strain			ISO 527-2
Yield	9.0	%	
Break	10	%	
Flexural Modulus	1270	MPa	ISO 178
Flexural Stress (3.5% Strain)	22.0	MPa	ISO 178
Flexural Strain at Break	No Break		ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.1	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	15	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	130 to 145	°C	ISO 3146
NOTE			

1.

Measured on injection moulded specimen

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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

