

# Terralene® WF 5525

High Density Polyethylene  
FKuR Kunststoff GmbH

## Message:

High desnity polyethylene with narrow molar mass distribution, containing a medium 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 <sup>1</sup>	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0 to 7.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1920	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	25.0	MPa	
Break	24.0	MPa	
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	7.0	%	
Flexural Modulus	1950	MPa	ISO 178
Flexural Stress (3.5% Strain)	29.0	MPa	ISO 178
Flexural Strain at Break	No Break		ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.6	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	12	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

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