

Terralene® HD 3505

High Density Polyethylene

FKuR Kunststoff GmbH

Message:

High density polyethylene used in injection moulding applications such as closures, housewares and packaging.

General Information			
Features	Recyclable Material		
	Renewable Resource Content		
Uses	Closures		
	Household Goods		
	Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.959	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0 to 7.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1040	MPa	ISO 527-2
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	13	%	
Break	> 450	%	
Flexural Modulus	945	MPa	ISO 178
Flexural Stress (3.5% Strain)	18.5	MPa	ISO 178
Flexural Strain at Break	No break	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.2	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ISO 306/A
Melting Temperature	130 to 145	°C	ISO 3146

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Recommended distributors for this material

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