

# Interpol 47-5138/47-5205 40%Glass

Polyurethane (Polyester based)  
Cook Composites and Polymers

Message:

Interpol 47-5138/47-5205 40%Glass is a Polyurethane (Polyester based) (PUR-Ester) product filled with 40% glass fiber. It can be processed by casting or injection molding and is available in North America.  
Characteristics include:  
Good Flexibility  
Good Toughness

General Information	
Filler / Reinforcement	Glass Fiber,40% Filler by Weight
Features	Good Flexibility
	Good Toughness
Forms	Pellets
Processing Method	Casting
	Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2460	MPa	ASTM D638
Tensile Elongation (Yield)	4.4	%	ASTM D638
Flexural Modulus	6950	MPa	ASTM D790
Flexural Strength (Yield)	172	MPa	ASTM D790

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	140	°C	ASTM D648

Thermoset	Nominal Value	Unit
Thermoset Components		
Hardener	Mix Ratio by Weight: 27	
Resin	Mix Ratio by Weight: 100	
Demold Time (100°C)	960	min

Injection	Nominal Value	Unit
Mold Temperature	54.4 to 65.6	°C

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Recommended distributors for this material

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