

Interpol 47-5138/47-5205 20%Glass

Polyurethane (Polyester based)
Cook Composites and Polymers

Message:

Interpol 47-5138/47-5205 20%Glass is a Polyurethane (Polyester based) (PUR-Ester) product filled with 20% 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,20% Filler by Weight
Features	Good Flexibility
	Good Toughness
Forms	Pellets
Processing Method	Casting
	Injection Molding

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2410	MPa	ASTM D638
Tensile Elongation (Yield)	3.7	%	ASTM D638
Flexural Modulus	4310	MPa	ASTM D790
Flexural Strength (Yield)	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	450	J/m	ASTM D256
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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