

# Interpol 47-5138/47-5205

Polyurethane (Polyester based)  
Cook Composites and Polymers

Message:

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

General Information			
Features	Good Flexibility		
	Good Toughness		
Forms	Pellets		
Processing Method	Casting		
	Injection Molding		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2310	MPa	ASTM D638
Tensile Strength (Yield)	63.2	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	2840	MPa	ASTM D790
Flexural Strength (Yield)	121	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Unnotched Izod Impact	720	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°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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