

Polylite® Profile™ 33541-00

Thermoset Polyester
Reichhold Chemicals, Inc.

Message:

Polylite® Profile™33541-00 is a thermosetting polyester product, which contains a 20% glass fiber reinforced material. It is available in North America. Typical application areas are: tools.
Features include:
Low shrinkage
Good toughness

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Non-thixotropy		
	Good toughness		
	Low shrinkage		
	Enhanced activity		
Uses	Mould		
Appearance	Red		
	Clear/transparent		
Forms	Liquid		
Hardness	Nominal Value		Test Method
Barcol Hardness	50		ASTM D2583
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10500	MPa	ASTM D638
Tensile Strength	51.7	MPa	ASTM D638
Tensile Elongation (Break)	1.0	%	ASTM D638
Flexural Strength	96.5	MPa	ASTM D790
Compressive Strength	134	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	1600	J/m	ASTM D256
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 100		
Hardening method	Mixing ratio by weight: 1.3		
Shelf Life (24°C)	13	wk	
Additional Information			

Flash Point, Seta Closed Cup: 89°FStyrene Monomer, 18-001: 47.5%Gel Time, 18-050, W 1.25% Superox® 46750: 26minViscosity, 18-021, Brookfield LVF #3 Spindle, 60RMP, Filled: 850cpsViscosity, 18-021, Brookfield RVF #2 Spindle, 20RMP, Unfilled: 120cpsPeak Time, 18-050, Exotherm, Filled: 41minPeak Time, 18-050, Exotherm, Unfilled: 34minPeak Temperature, 18-050, Filled: 260°FPeak Temperature, 18-050, Unfilled: 440°FWeight/Gallon, 18-030, Filled: 12.3lbWeight/Gallon, 18-030, Unfilled: 8.8lb

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