

PRODUCT DATA SHEET

Plexinate P200 (Flex Additive)

Introduction

Plexinate P200 is a high molecular weight polyurethane with terminal unsaturation. It acts as an internal non-migrating flexibilizer for Plexinate P100. Plexinate P200 is simply added to P100 to increase elongation, increase flexibility, reduce shrinkage, reduce Tg, reduce peak exotherm, and prevent cracking in thick pultruded sections. Typical addition levels with P100 range from 10 to 50 percent depending on physical properties required.

Key Benefits

- Prevents Cracking in Pultruded Thick Sections
- Provides Product Versatility
- Increases Flexibility
- Reduces Resin Shrinkage

Physical Properties of Unfilled P100 / P200 Castings *

% P100	% P200	% Elongation	Barcol Hardness	HDT	
				oC	oF
100	0	3.5	42-44	135	275
85	15	4.0	38-40	87	189
70	30	6.5	30-32	78	172
50	50	10.5	25-27		
0	100	Elastomeric	0		

* Provided as a guide only. Results may vary depending on curing and post curing temperatures and methods.

Liquid Resin Properties

Viscosity	> 10,000 cPs
Colour	Water white
Isocyanate Content	0%
Specific Gravity	1.1
Clean Up	Acetone
Flash Point	> 100 oC