

PIOESTER® POWDER COATING RESINS

CARBOXYL RESINS FOR TGIC CURATIVE

PIOESTER®	ACID NUMBER	HYDROXYL NUMBER	Tg: °C	VISCOSITY Poises @ 200°C	GARDNER COLOR, max (50% in NMP)	PERFORMANCE FEATURES
4228	27.5-29.5	6.0-10.0	55-60	30-35 @ 320F	2	high flow, general purpose
4230 UD	33.0-37.0	1.0-5.0	50-55	32-42	2	good flexibility
4235	34.0-38.0	1.0-5.0	62-68	39-44	2	general purpose, uncatalysed resin
4280	35.0-38.0	2.0-6.0	62-68	43-51	2	good balance of properties

CARBOXYL RESINS FOR HYBRIDS WITH EPOXY RESINS

4230	30.0-35.0	1.0-5.0	52-56	40-50	3	economy, catalysed general purpose for 70/30 hybrids
4656	45.0-50.0	1.0-5.0	50-54	18-25	4	catalysed general purpose for 60/40 hybrids
4248	45.0-50.0	1.0-6.0	54-58	20-30	3	economy catalysed general purpose for 60/40 hybrids
4268	68.0-74.0	<5.0	54-58	35-45	4	economy, catalysed general purpose for 50/50 hybrids
4290	86.0-96.0	<5.0	62-66	20-30	2	high functionality for chemical resistance and hardness

CARBOXYL RESINS FOR PRIMID CURATIVES

4220	33.0-38.0	1.0-5.0	55-59	20-25	2	general purpose resin
4281	35.0-38.0	1.0-5.0	62-68	21-28	2	good balance of properties

All data given, statements and recommendations reported in regard to these products to the best of our knowledge are accurate. However, the seller makes no warranty of any kind concerning the use of the products. Nothing contained herein is to be construed as a recommendation for use in violation of any existing patent, foreign or domestic, or of applicable laws and regulations.

SPECIALTY RESINS

A Division of Panolam Industries International, Inc.
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PIOESTER® POWDER COATING RESINS

HYDROXYL RESINS FOR URETHANE COATINGS

PIOESTER®	ACID NUMBER	HYDROXYL NUMBER	Tg; °C	VISCOSITY Poises @ 200°C	GARDNER COLOR, max. (50% in NMP)	PERFORMANCE FEATURES
4128	1.0-5.0	27.0-34.0	54-60	50-80	2	for use with internally blocked isocyanates
4135	4.0-6.0	35.0-40.0	50-54	12-15 @320F	1	linear alloying resin for gloss control and high flow
4142	9.0-12.0	38.0-42.0	58-62	40-54	1	general purpose TMA-free resin
4144	9.0-12.0	39.0-43.0	58-62	40-60	1	reduced reactivity for smooth coatings
4175	4.0-10.0	72.0-78.0	60-64	18-20	2	general purpose for hard films
4115	1.0-4.0	109.0-115.0	55-59	38-55	1	chemical resistant hard films
4100	7.0-11.0	295.0-305.0	40-45	6.0-12	1	alloying resin for gloss control

CRYSTALLINE RESINS

PIOESTER®	ACID NUMBER	HYDROXYL NUMBER	Melting Point; °C	VISCOSITY cPs @ 135°C	APHA COLOR, max.	MOISTURE CONTENT, %
4360-40	less than 3.0	38.0 - 42.0	80 - 100	800 - 1200	100	less than 0.04
4350-35	32.0 - 37.0	less than 5.0	85 - 105	2000 - 3500	100	less than 0.04
4350-55	54.0 - 58.0	less than 5.0	80 - 100	600 - 900	100	less than 0.04

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