



FEATURED PRODUCTS

EBECRYL® 8405

Energy Curable Tetrafunctional Aliphatic Urethane for Topcoats on Plastic Substrates

The alicyclic structure of **EBECRYL 8405** allows for a unique blend of hardness and flexibility coupled with outstanding outdoor weatherability, which are not typically observed in one molecule. Formulations employing **EBECRYL 8405** demonstrate improvements in adhesion to plastic parts, improved chip resistance, and improved barrier properties.

KEY FEATURES & PERFORMANCE (typical properties-not specifications)	APPEARANCE	VISCOSITY cP at 60°C	FUNCTIONALITY, Theoretical	HDODA, % by weight	TENSILE, psi	ELONGATION, %	MODULUS, psi
<ul style="list-style-type: none"> • Outstanding outdoor durability • Good adhesion • Flexibility • Hardness 	Clear liquid	5000	4	20	4000	25	100,000

Highlights

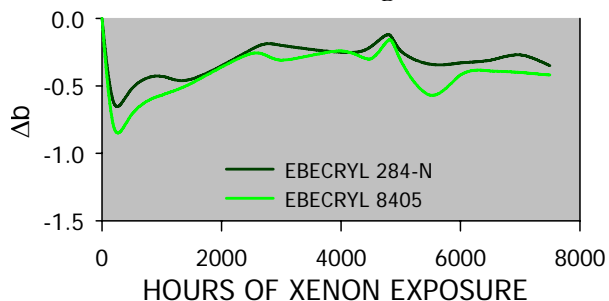
Enhanced hardness and flexibility: **EBECRYL 8405** has the surface hardness of higher functionality acrylate oligomers but the flexibility of those with lower functionality.

Film properties: Films of **EBECRYL 8405** exhibit excellent exterior durability typically observed in lower functional urethane acrylates (see graphs below for more details)

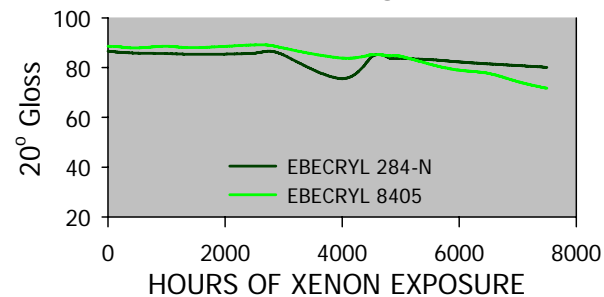
Starting Point Formulation for Plastics

	%
EBECRYL 8405	40.0
EBECRYL 745	10.0
HDODA	28.0
EBECRYL 130	18.0
ADDITOL® CPK	4.0

Xenon Accelerated Weathering – Color



Xenon Accelerated Weathering – Gloss



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