



FEATURED PRODUCTS

EBECRYL[®] 8310

Aromatic Urethane Acrylate Blend (5% TRPGDA) With Improved Abrasion Resistance

UV/EB cured products containing **EBECRYL 8310** exhibit an excellent balance of abrasion resistance and flexibility combined with good solvent resistance and adhesion to a variety of substrates. Suggested markets are wood, parquet floors, furniture and other wood applications.

KEY FEATURES & PERFORMANCE (typical properties-not specifications)	Appearance	Color, Gardner	Density g/ml at 25°C	Functionality (theoretical)	Viscosity cP at 25°C
<ul style="list-style-type: none"> • Excellent abrasion resistance • Good flexibility • Good solvent resistance • Good adhesion 	Clear liquid	≤2	1.1	2	5500

Highlights

Excellent abrasion resistance: Coatings using **EBECRYL 8310** as the main oligomer show excellent abrasion resistance.

Low viscosity: **EBECRYL 8310** has a low viscosity for a urethane acrylate allowing for greater latitude in formulating sealers for flooring.

Starting Point Formulation

General Formula	%
EBECRYL 8310	96.0
ADDITOL[®] CPK	4.0
TYPICAL CURED PROPERTIES	
Tensile strength, MPa	9.6
Tensile elongation, %	42
Young Modulus, MPa	63.5
Glass transition temperature, °C	32

	Grit Feeder	Taber / CS10
EB 4827/TRPGDA	2500 - 3000 cycles	3000 - 3500 cycles
EB 8310/TRPGDA	3500 - 4000 cycles	4000 - 4500 cycles

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