BETASEAL™ 15955N

Glass Bonding Systems

BETASEAL™ 15955N is one component, moisture curing adhesive with excellent sag and bead stability based on polyurethane chemistry. The adhesive cures with environmental moisture and skin formation and curing is dependent on humidity, temperature and application dimensions.

BETASEAL™ 15955N is cold processable, high viscosity, medium modulus, glass bonding adhesive.

Product information

Colour	Black	
Basis	Polyurethane	
Solid content	≥99	%

Uncured properties

Skinning time	18 - 30	min
Sagging		°

Rheological properties

Cup Viscosity	25 - 50[1]	s

[1]: 20g sample; 4mm/.157in orifice at 23°C/73°F and 550 kPa/80 psi

Application technique

Processing temperature	64.4 - 95	°F

Cured properties

Temperature stability	-40 - 212	°F

Typical mechanical properties

Tensile Modulus	580.152	psi	ISO 527-1/-2
Tensile Strength	1310	psi	ASTM D 412
Elongation at break	250	%	ASTM D 412
Shear modulus	≥203[2]	psi	
Lap shear strength, 3 days	≥493	psi	DIN EN 1465
Shore A hardness	70		ASTM D 2240

[2]: 10% Strain

Other properties

Density	9.77	lb/gal	ISO 1183

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Storage and stability

Shelf life	6[3] months

[3]: Short time storage temperatures: 0°C/32°F to 40°C/104°F. From date of manufacture at +5°C/41°F to +35°C/95°F in unopened containers.

Additional information

How to use

Resistance to Chemicals:

BETASEAL™ 15955N is highly resistant to aqueous chemicals, petrol, alcohol and mineral oils; conditionally to esters, ketones, aromatics and chlorinated hydrocarbons.

Bonding Surface Preparation:

For BETASEAL™ 15955N all bonding surfaces must be free of dirt, dust, water, oil and grease. Verify compatibility or consult our technical service department.

Cleaning:

Uncured adhesive residues of BETASEAL™ 15955N can easily be removed with Isopropanol or similar solvent. (Test non visible area of substrate with solvent to confirm it won't affect the topcoat). Hardened adhesive residues can only be removed mechanically.

Information:

Dupont Automotive products are primarily developed in co-operation with the automobile manufacturers, according to their needs and their specifications, they are approved for the specific applications as defined by the customer. The use of the product other than approved application have to be released in written form by a DuPont Technical Service representative.

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