



THERMOCHEM
ISO 9001 Certified Company



CERAFLUX
Products Accredited By Foundrymen

PRODUCT DATA SHEET

CERAFLUX GROUP OF COMPANIES

CERASHELL R-101

PRODUCT: CERASHELL R-101 is a phenol formaldehyde novolak polymer dissolved in solvent. Generally known as PF liquid resin.

APPLICATION: CERASHELL R-101 is an ideal synthetic binder for shell sand, refractories etc.

PHYSICAL PROPERTIES:

APPEARANCE:	Clear reddish brown liquid
Sp.gravity @30°C:	1.05 - 1.15
Viscosity by B6 cup @30°C:	100 ± 10 secs.
Solid Content:	70 ± 2%

SAND MIX PROPERTIES:

Sand test results on washed sand (AFS 50-55) clay content 0.2% max. coated with CERASHELL R-101 4 % BOS & CERASHELL H-110 18 % BOR.

1. HTS (3 MIN CURING @220°C) :- 34 ±1 Kg/ cm²
2. CTS (3 MIN CURING) :- 36 ±1 Kg/ cm²
3. LOI -3.6±0.2 %

ADVANTAGES:

1. Fast curing time.
2. Excellent sand flow ability with high resistance to peel back.
3. Increased transverse strength.
4. Increased build up with improved thorough curing.
5. Improved cure depth and uniformity of cure at identical pattern temperature and cycle times offers potential for reducing cycle time.
6. Low dilation of moulds and cores.

STD. PACKING: 200/225 kg MS/ HDPE drum.

SHELF LIFE: 6 Months from date of manufacturing.

STORAGE: To be stored in cool and dry place away from heat and direct sunlight.

THERMOCHEM PROCESSES PVT. LTD.

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