united chemical products
13 av.Morane Saulnier
immeuble Le Coli 2me etage
78140 Velizy-Villacoublay,France
Tel: IDD+33 1 34490202 Fax: IDD+33 1 34490200
USA local fax Nb: (419) 821-7443
e-mail: sales.prs@ucp-is.com

PRODUCT SPECIFICATION
BUTYL RUBBER BK-1675N

product description (code: IIR1675gen. ver.) rev. 3 **Date : 09.12.95**

A non-staining, medium unsaturation isoprene-isobutylene copolymer.

RAW POLYMER PROPERTIES

Mooney viscosity (pts)		**method (**)**
(ML 1+8 at 125 degC)	51 +/- 5	ISO MC 667-75 (recommendation ISO 289-63)
Volatiles (wt %), max.	0,30 max	GOST 19338
Ash (wt %)	0,3 max	GOST19816.4
Antioxidant (wt %)	0,03-0,20	TY3800316979

RHEOMETRIC PROPERTIES (1)

Maximum torque, MH (dNm)	78 +/- 6,0	ISO 3417 / 91
Minimum torque, ML (dNm)	17 +/- 4,5	ISO 3417 / 91
Cure time (50 %), tc-50 (min)	9 +/- 3,0	ISO 3417 / 91
Scorchtime, ts2 (min) (1), 160o C	4,0 +/- 1,5	ISO 3417 / 91
Cure time (90 %), tc-90 (min) (1)	26 +/- 4,0	ISO 3417 / 91

OTHER TYPICAL PROPERTIES

Modulus at 300 % elongation, (MPa) (1)	7	GOST 270
Ultimate tensile strength, (MPa) (1)	17	GOST 270
Ultimate elongation, (%) (1)	630	GOST 270
Specific gravity	0,92	
Unsaturation, (mole %)	1,7 +/- 0,2	TY3800316979
Total stearates, (wt %)	0,6 max	TY3800316979

PACKAGING

Bale weight, (kg)	30 +/- 1
Film wrap	50MKM +/- 5
Vicat point (degC)	110
Pallet weight (kg)	about 450

REMARKS

(1) Rheometric and physical properties determined for the compound based on following recipe: (ISO 2302)

Butyl Rubber	100
K-324 (HAF) Black	50
Zinc Oxide	3
Stearic Acid	1
TMTD	1
Sulphur	1,75

Rheometer conditions
160°C, 3 degr. Arc, 1.7 Hz (100cpm)
disc oscilation, 40 min. running time,
no preheat, micro die and rotor, range 100.
Test compound cured for - 40 min.
at 150 degC and tested at 23 degC
for vulcanizate properties.

(*) This specification refers to product from Togliatti/Nizhnekamsk production units in Russia.
(**) Descriptions of Russian standards (GOST & TY) are available upon request.

Isue date: 09-Dec.-95
Revised: 16-Oct-97, Next revised: 10-Dec-99