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3R8100

TEALON

The 3R8100 is produced from virgin PTFE resin filled with micro spheres of Barium Sulfate. This unique process of fabrication provides the Tealon® a high level of fibrillation to overcome the creep relaxation and cold flow problems associated with mechanical grade (3R810) and virgin grade (3R812) PTFE sheets.



APPLICATIONS

It is suitable for services with general service in a wide variety of fluids, strong caustics, moderate acids, chlorine, gases, water, steam, hydrocarbons, hydrogen and aluminum fluoride.

SPECIFICATIONS

Technical Data

Sheet size	62"X62"
Thickness	1/16" and 1/8"
Color	Off-white
PH	0 - 14

Physical properties

Max. Pressure	1200 psi (83 bar)
Temperature	-210°C to 260°C (-350°F to 500°F)
P * T max = psi * °F (bar * °C)	350 000 (12 000) 1/16" 250 000 (8 600) 1/8"
Compressibility Range @ 5000 psi (%)	
ASTM F-36A	4-10
Recovery @ 5000 psi (%)	

ASTM F-36A	40
Creep Relaxation (Mpa)	
ASTM F-38	11
Specific Gravity (g/cm³)	
ASTM D-792	2.90
Tensile strength	
ASTM F-38	14
Sealability (ml/h @ .7 bar)	
ASTM F-37A	.04
Sealability (cm³/min)	
DIN 3535	< .015

N.B. The information, details and values indicated are to the best of our know ledge. We recommend to conduct tests according to local conditions. The data is subject to some variations w ithout notice.