



IMUTHANE 18-89AN

IMUTHANE 18-89AN is a MDI / POLYESTER based prepolymer which yields an 90 Shore-A elastomer when cured with 1, 4 butanediol (BDO) .

预聚体基本参数

% NCO	7.3-7.7
Brookfield Viscosity @ 100o C 粘度	400-1200
Speciic Gravity 比重	
@ 25o C	1.21
@100o C	1.16

加工条件

IMUTHANE 17-85A, (oC) 预聚体温度	93
BDO, (oC) 扩链剂温度	
Mold, (oC) 模具温度	115
% Theory 扩链剂配比参数	95
Pot Lie, min 固化时间	3.5
Cure Time, min @ (oC) 一次硫化温度	60 @ (115)
Post Cure, hrs @ (oC) 二次硫化温度	16 @ (115)

扩链剂用量计算公式：包装上的NCO *1.017

物理性能

Shore Hardness 硬度	91A
100% Modulus, psi (MPa) 100%模量	1125 (8.9)
300% Modulus, psi (MPa) 300%模量	2000 (14.8)
Tensile, psi (MPa) 拉伸强度	5800 (47.4)
Elongation, % 伸长率	400
Tear Strength, Die C, pli (kN/m) 撕裂强度	525 (91.9)
Tear Strength, (D470), pli (kN/m)撕裂强度	100 (23.7)
Bashore Rebound, % 回弹性	45
Compression Set, Method B, 压缩永久变形	
22 hrs @ (70oC), %	21
Specific Gravity 比重	1.18

The data contained herein are believed to be reliable. However, there is no guarantee that the same results will be obtained under different conditions. Fit for use testing should be conducted by each user.