



TECHNICAL DATA SHEET



丁腈橡胶 NBR3345 (Acrylonitrile-Butadiene Rubber 3345)

聚合体系: 低温乳液聚合(Polymerization system-Cold polymerized emulsion)

防老剂: 浅色, 非污染型防老剂(Stabilizer-Non-staining, non-discoloring)

产品特性: 具有较佳的拉伸强度、耐老化、耐油性能。

(Characteristics-Improved tensile strength, resistance to aging, resistance to oils)

基本性能指标(Properties):

生胶项目(Polymer Properties)	产品指标(Specification)		实验方法
	最小值(min)	最大值(max)	
生胶门尼粘度 ML(1+4)100℃	38	48	GB/T1232.1(ASTM D1646)
挥发分(Volatile matter), %	----	0.50	GB/T24131(ASTM D5668)
灰分(Ash), %	----	0.75	GB/T4498.1(ASTM D5667)
结合丙烯腈含量 (Bound Acrylonitrile), %	31.5	34.5	SH/T1157.2
硫化胶项目(Compound Properties)			
拉伸强度(Tensile strength), MPa	26.0	----	GB/T528(ASTM D412)
拉断伸长率(Elongation), %	450	----	GB/T528(ASTM D412)
300%定伸应力(Modulus), MPa	8.5	14.5	GB/T528(ASTM D412)
硫化条件(Cured Condition): 145℃×50min			

硫化胶实验基本配方(Test Recipe with SH/T1611(ASTM D3187))

材料(Materials)	质量份(Parts)
丁腈橡胶(NBR)	100.00
氧化锌(Zinc Oxide)	3.00
硫黄(Sulfur)	1.50
硬脂酸(Stearic Acid)	1.00
高耐磨炉黑(HAF IRB 7#)	40.00
TBBS	0.70
合计(Total)	146.20

说明:生胶门尼测试制样采用 GB/T15340 中的过辊法, 样品量 250±5g、辊温 50±5℃、辊距 1.4±0.1mm, 过辊十次(第一和十次不对折)。

The Sample is massed by mill, pass 250±5g of sample between the rolls with a roll temperature of 50±5℃ and the distance between the rolls of 1.4±0.1mm, total ten passes.