



**ALPHA**  
PLASTIC CHEMICALS

## **Technical Data Sheet**

### **NBR P8300**

#### **NBR 8300**

NBR 8300 is a copolymer of Butadiene-Acrylonitrile and the powdered nitrile elastomer manufactured by advanced emulsion polymerization technology of Goodyear and LG Chem. It has excellent compatibility with up to 100 parts of PVC resin, its plasticizers, fillers, heat/UV stabilizers and pigments. Within a PVC matrix, it adds the oil and fuel resistance to PVC compound and also it can improve the impact resistance of PVC.

NBR 8300 and PVC blend acts like a TPE's and substitutes for vulcanized rubber and TPU in many applications due to its excellent fuel and grease resistance.

NBR 8300 is recommended to use in overflow tubing, vacuum tubing, grommet seals, cable sleeves, gaiters, guard bellows, fuel hoses and seals. In other applications, it is used as modifier for ABS crash pads and also as binder for brake linings.

<b>Basic Properties</b>	
Polymerization	Cold Emulsion
Appearance	Powder
Bound AN Content (%)	32.0
Volatile Matter (%)	0.4
Ash (%)	0.5
Structure	Linear/ Cross linked
Partitioning Agent	PVC or CaCO <sub>3</sub>
Stabilizer	Non-Staining
Mooney Viscosity (ML 1+4, 100°C)	56.5
Specific Gravity	0.98
Bale Weight	25kg
Rubber should be sorted in a suitable condition such as no sunlight, no heat and a dry place.	

#### **Packaging**

We offer 25kg bags in boxes contained in a wooden box

*The above results are typical values and do not constitute a specification*

Please call or email for further information on any of our products

**Telephone: +44 2088 168 125**