



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.

Basic Properties	
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 ₃
Stabilizer	Non-Staining
Mooney Viscosity (ML 1+4, 100°C)	56.5
Specific Gravity	0.98
Bale Weight	25kg
Rubber should be stored 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 for further information on any of our products

Telephone: +44 (0)1283 711588