

NBR 3345

Technical DataSheet | Supplied by Sibur

NBR 3345 by Sibur is an acrylonitrile butadiene rubber (NBR) copolymer grade. Contains medium high acrylonitrile content (31-35%). Offers heightened oil resistance. It is insoluble in water & fats and soluble in ketones, ethyl acetate & chloroform. NBR 3345 by Sibur is recommended for production of molded & unmolded goods, insulation rubbers, seals, gaskets, cup-type seals, hoses, fuel hoses, coatings for various rolls & chemical devices, technical plates, rubber-fabric materials, driving belts, sealing compounds, adhesives, special-purpose rubber shoes, thermoresistant goods, coating acid proof goods, alkali-proof goods, asbestos goods, compressed asbestos fiber sheets, friction materials & brake-shoe linings and plastic modification applications.

Product Type	NBR (Nitrile Butadiene Rubber)
Physical Form	Bale
Appearance	Light yellow- pink/ Light beige
Product Status	COMMERCIAL
Applications/ Recommended for	Engineering / manufacturing > Belts, conveyors Fibers/ Textiles/ Carpets > Fabrics Footwear Pipes, Hoses & Fittings Sealants, seals & gaskets
Key Features	Copolymer Oil Resistant

NBR 3345 Properties

Physical	Value & Unit	Test Condition	Test Method
Mooney Viscosity	42 - 48 -	ML1+4 (100°C)	ASTM D1646
Volatile Matter Content	< 0.8 %		ASTM D5668
Ash Content	< 0.5 %		ASTM D5667
Acrylonitrile Content	31 - 35 %		

Mechanical	Value & Unit	Test Condition	Test Method
Tensile Strength	> 22.5 MPa	at Stretching	ASTM D3189
Relative Tensile Elongation	> 450 %	at Break	ASTM D3189

Thermal	Value & Unit	Test Condition	Test Method
Melting Point	211 - 398 °C		
Ignition Temperature	269 - 454 °C		
Decomposition Temperature	430 °C		

Flammability	Value & Unit	Test Condition	Test Method
Flash Point	224.8 - 350 °C		
Auto-ignition Temperature	313 - 514 °C		