

BR-36-BK-R

Nylon 6 R, 30% Glass filled, Heat stabilized



Dileas Polymer Inc.

Nylon 6 post consumer recycled based, glass fiber reinforced (30%), heat stabilized injection moulding grade with high stiffness, very good flowability, and excellent heat ageing resistance for technical articles.

Properties	Test Method	Value	Unit
Density at 23°C	ASTM D792	1.36	g/cm^3
Melt Flow Index (MFI) at 275°C – 5 kg	ISO 1133	30	$cm^3/10min$
Mechanical properties			
Tensile Strength	ASTM D638	16,850	psi
Tensile Modulus	ASTM D638	5,700	Mpa
Tensile Elongation	ASTM D638	5.5	%
Flexural Strength	ASTM D790	126	Mpa
Flexural Modulus	ASTM D790	6,500	Mpa
UN Notched Izod Impact	ASTM D256	1,430	J/m
Processing			
Drying time		4	hours
Melt temperature		270-290	°C
Mold temperature		80-90	°C

The data contained in this datasheet is based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose.