

ARDLON

BSG6 NC PA6 GF30

Density		g/cm ³	Dry	1.35	
Tensile E-Modulus	1mm/min	Mpa	Dry	9,500	
		Mpa	Cond.	6,000	
Tensile Strength at yield	50mm/min	Mpa	Dry	150	
		Mpa	Cond.	125	
Elongation at yield	50mm/min	%	Dry	3	
		%	Cond.	5	
Tensile strength at break	50mm/min	Mpa	Dry	150	
		Mpa	Cond.	125	
Elongation at break	50mm/min	%	Dry	4	
		%	Cond.	8	
Impact strength	Charpy, 23 °C	Kj/m ²	Dry	75	
		Kj/m ²	Cond.	90	
Impact strength	Charpy, -30 °C	Kj/m ²	Dry	65	
		Kj/m ²	Cond.	70	
Notched impact strength	Charpy, 23 °C	Kj/m ²	Dry	11	
		Kj/m ²	Cond.	20	
Notched impact strength	Charpy, -30 °C	Kj/m ²	Dry	8	
		Kj/m ²	Cond.	9	
Ball indentation hardness		Mpa	Dry	210	
		Mpa	Cond.	100	
Thermal properties:					
Melting point	DSC	°C	Dry	220	
Heat deflection temperature HDT/A		1.80Mpa	°C	Dry	205
Heat deflection temperature HDT/C		8.00Mpa	°C	Dry	105