

## Mechanical Properties of “Soarnol™”

Mechanical properties of “Soarnol™” is shown in the following.

Data	Method	Unit	Grade					
			Soarnol V	Soarnol VH	Soarnol D/DT	Soarnol DC	Soarnol E/ET	Soarnol A/AT
Ethylene content	-	mol%	25	27	29	32	38	44
Tensile modulus	ISO 527-1 ISO 527-2	MPa	5200	5000	4850	4600	4050	3550
Tensile stress at yield	ISO 527-1 ISO 527-2	MPa	98	94	91	86	75	65
Nominal tensile strain at break	ISO 527-1 ISO 527-2	%	14	13	13	16	14	16
Tensile stress at break	ISO 527-1 ISO 527-2	MPa	42	40	38	35	30	24
Flexural modulus	ISO 178	MPa	5000	4800	4650	4350	3850	3300
Flexural strength	ISO 178	MPa	149	143	138	130	114	98
Charpy notched impact strength	ISO 179	kJ/m <sup>2</sup>	7	7	8	8	8	8

at 23 deg.C, 50%RH

\*The above figures are measured values and not guaranteed.