

BS-858 Black

Polyamide Hot Melt Resin

- ❑ Enhanced UV resistance versus standard PA
- ❑ High hardness and cohesion
- ❑ Flammability UL94:V0

BS 858 Black is a pure copolymer polyamide hot melt resin, non reactive and solvent free, specially designed for low pressure molding applications. BS 858 is mainly used for molding of electronic/electric components, connectors and cables.

Properties

Physical Properties	Value	Unit
Viscosity [ASTM D3236]	4.0–6.0	Pa · s
Softening Point [ASTM D3461]	175–185	°C
Water Content	<0.2	%
Density	1	g/cm ³
Water Absorption, immersed at 23 °C [ISO 62]	1.9	%
Thermal Properties	Value	Unit
Vicat Temperature [ISO 306]	77	°C
Glass Transition Temperature	-35	°C
Mechanical Properties	Value	Unit
Yield Strength, 50 mm/min at 23 °C [ISO 527]	7.2	MPa
Strength at Break, 50 mm/min at 23 °C [ISO 527]	8.1	MPa
Elongation at Break, 50 mm/min at 23 °C [ISO 527]	340	%
Young's Modulus, 50 mm/min at 23 °C [ISO 527]	90	MPa
Hardness [ISO 868]	49	D
Electrical Properties	Value	Unit
Transversal Resistivity [IEC 60093]	1.4×10 ¹¹	Ω · cm
Dielectric Rigidity [IEC 60243-1]	20	kV/mm
Relative Permittivity, 50 Hz at 23 °C [IEC 60250]	5.6	F/m

Supplied by all CAPLINQ Global entities

Europe

Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

Canada

80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



North America

36927 Schoolcraft Rd
Livonia, MI 48150
United States
Phone: +1 (313) 558-8243
Email: info@caplinq.com

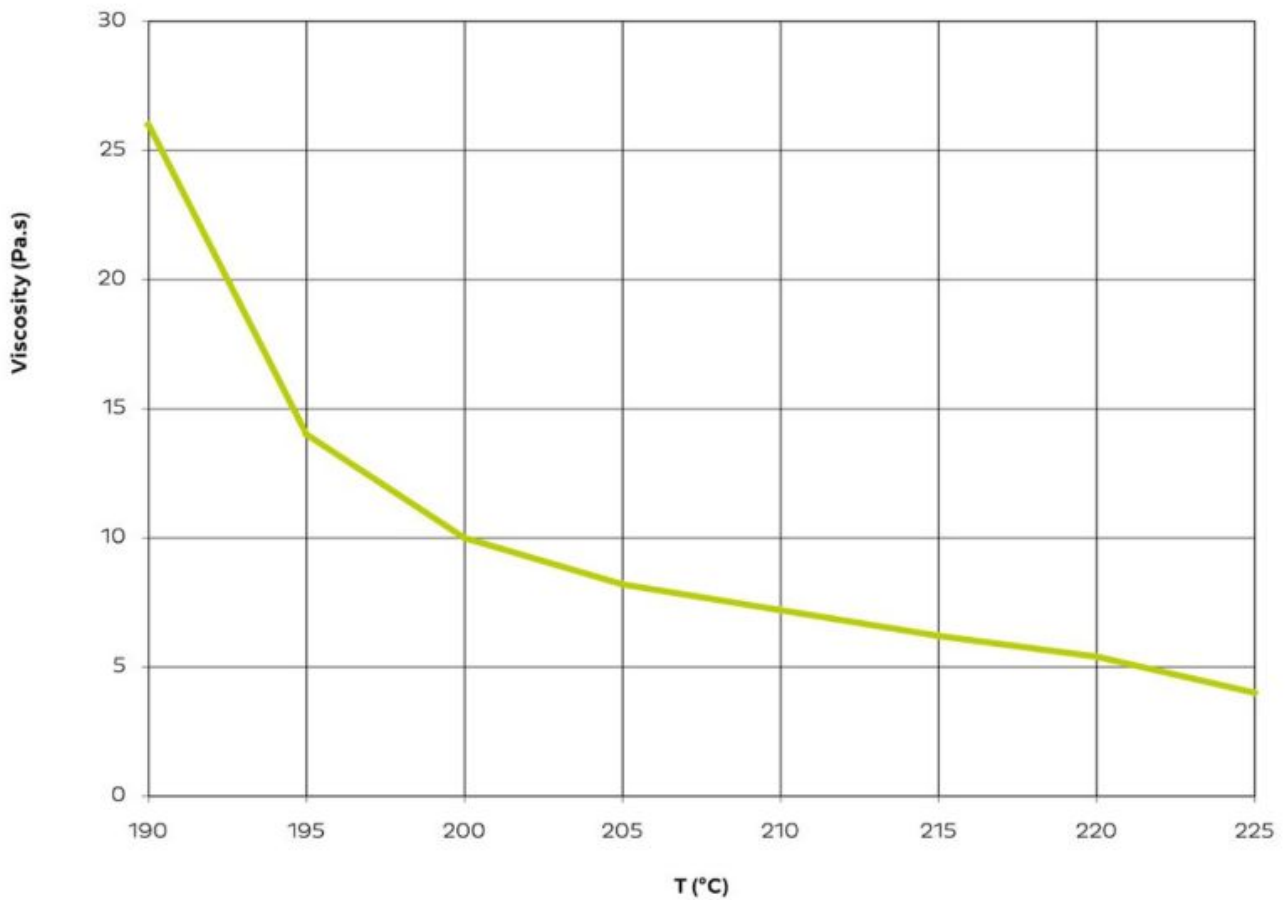
South East Asia

S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60(12)4302223
Email: info@caplinq.com

Recommended Processing Conditions

Parameter	Value	Unit
Melting Temperature Range	210-230	°C
Mold Temperature Range	20-60	°C
Drying Time	8	h
Drying Temperature	70	°C
Processing Moisture Content	<0.2	%

Viscosity curve versus temperature



Packaging

20 kg bag

Storage and Shelf life

The product has a shelf life of 18 months when properly stored in a cool and dry location in closed original packing. BS 858 will absorb moisture from the air. Because of risk of moisture absorption, we highly recommend to store any open bag in a close container.

Supplied by all CAPLINQ Global entities

Europe

Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

Canada

80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com



North America

36927 Schoolcraft Rd
Livonia, MI 48150
United States
Phone: +1 (313) 558-8243
Email: info@caplinq.com

South East Asia

S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60(12)4302223
Email: info@caplinq.com