

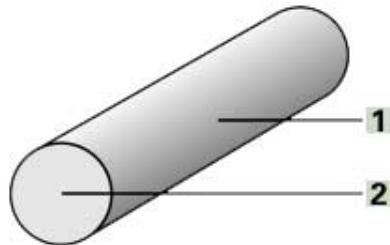
Habasit Product Data Sheet

R-15

Product Designation

Product Group:	Polycord round belts
Product Sub-Group:	Polycord round belts
Main Industry Segments:	Applicable in all industry segments
Belt Applications:	General conveying belt; Power transmission belt
Special Features:	Elastic; Flexibility in all directions; Monolithic Belt; Simple and fast joining method
Mode of Use/Conveyance:	Declined; Horizontal; Inclined; Serpentine drives; Twists with short center distance

Product Design (enlarged)



Product Construction/Design

1 Friction material:	Thermoplastic polyurethane (TPU)
1 Friction surface structure:	Rough structure
1 Friction cover (Color):	Green (Habasit green)
2 Traction Layer (Material):	Thermoplastic polyurethane (TPU)

Technical Data

Diameter (d):	15 mm	0.591 in.
Mass of belt (belt weight):	0.212 kg/m	0.1425 lbs./ft.
Pulley diameter (minimum):	150 mm	6 in.
Tensile force for 8% elongation (k8% static) (Habasit standard SOP3-064):	315 N	71 lbf
Nominal peripheral force:	212 N/mm	48 lbs./in.
Operating temperature admissible (continuous):	Min -20 °C Max 50 °C	Min -4 °F Max 122 °F
Coefficient of friction on steel (roughness CLA max 1.6 micrometer):	0.3	

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554), and are based on the Master Joining Method.

Additional Technical Information

Chemical Resistance Class:	6 (These indications are not guarantees of properties)
Installation and Handling Instructions:	See Engineering Manual
Limitations:	This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 94/9) and therefore is subject to user's analysis in the respective environment.

Storage

For details consult 'Storage and handling requirements for belts and machine tapes' or contact Habasit.
Protect belts from sunlight/UV-radiation/dust and dirt. Store spare belts in a cool and dry place and if possible in their original packaging.

Legend

*	No calculation Value
2)	Product containing different coating materials such as elastomer, natural fibers, silicones, etc., are not subject to the directive 2002/72/EC
3)	CLA: Coordination of the centre line-average value Ra (in the US also Arithmetical Average (AA)) to the maximum peak to valley height Rt for surfaces manufactured by chip removal.
8)	Due to high coefficient of friction of running/pulley side, the suitability for use on slider beds is limited German federal institute for risk assessment (Bundesinstitut fuer Risikobewertung)
EEC	European Economic Community
EU	European Union (Directive 2002/72/EC)
FDA	Food and Drug Administration
NA	Not available
NAP	Not applicable
USDA	United States Department of Agriculture (Food Safety and Inspection Service, Washington D.C.)

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