

HOSTAFORM® LW140HP WRF - POM

Description

Hostaform® LW140HP WRF is an easy flow injection molding grade with higher stiffness based on Hostaform® C 13031. The product contains additives to improve the tribological properties e.g. coefficient of friction and wear. Preliminary Data Sheet

Physical properties	Value	Unit	Test Standard
Density	1400	kg/m ³	ISO 1183
Melt volume rate, MVR	20	cm ³ /10min	ISO 1133
MVR temperature	190	°C	ISO 1133
MVR load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	2850	MPa	ISO 527-2/1A
Tensile stress at yield, 50mm/min	65	MPa	ISO 527-2/1A
Tensile strain at yield, 50mm/min	10.5	%	ISO 527-2/1A
Tensile nominal strain at break, 50mm/min	30	%	ISO 527-2/1A
Flexural modulus, 23°C	2600	MPa	ISO 178
Charpy notched impact strength, 23°C	5	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
Melting temperature, 10°C/min	170	°C	ISO 11357-1/-3

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	3 - 4	h	-
Drying temperature	100 - 120	°C	-

Characteristics

Product Categories

Tribological

Contact Information

General Disclaimer

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colorants or other additives may cause significant variations in data values. Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this

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