

ARKON*

A Range of Water White,
Hydrogenated Hydrocarbon Resins

PRODUCT DATA SHEET ARKON* M-100

ARKON* is a premier water white hydrocarbon resin, introduced as the world's first hydrogenated hydrocarbon resin developed by Arakawa Chemical Industries, Limited. Its colourless and transparent character is especially suitable for use in light-coloured products. ARKON* has excellent UV and thermal stability.

ARKON* is produced under a stringent, ISO certified, quality control system.

Some of its key characteristics are:

- Excellent compatibility with various polymers
- Low molecular weight with High glass transition point
- Low molten viscosity
- Hydrophobicity
- Excellent chemical stability
- Colourless

Due to its excellent balance of properties, ARKON* M-100 is used in formulations for a variety of applications such as pressure sensitive adhesives, hot-melt adhesives, sealants, inks and coatings etc.

Typical properties

Item	Test method	Unit	Typical value
Softening point	ASTM E-28	° C	100
Colour	ASTM D-1686	Hazen No.	30
Heat stability	Colour after aged /24 hrs 180 °C **	Gardner No.	< 2
Number average molecular weight (MN)	GPC method **	g/mol	810
Glass transition point	ISO 11357-2	° C	45
Molten viscosity at 150 °C 180 °C	ASTM D-3236 (RVT, SC4-21)	mPa.s	1800 210
Flash point (C.O.C.) (Pensky-Martens)	ASTM D-92 ASTM D-93	° C	215 195

** PQW 218 [Dow Olefinverbund GmbH (DOG) test method]

*** PQW2126 (DOG test method)

For further information, please contact us and/or refer to our brochure and Safety Data Sheet.

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