Property Data

Envalior
Imagine the Future

Novamid® 1013CH5 2

PA6

Injection Molding, Easy Molding Grade, Heat Stabilized, Lubricated, Nucleated

Print Date: 2024–03–27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES	**DRY / COND**		
Molding shrinkage [parallel]	1.2 / *	%	Sim. to ISO 294–4
Molding shrinkage [normal]	1.3 / *	%	Sim. to ISO 294–4
MECHANICAL PROPERTIES	**DRY / COND**		
Tensile modulus	2800 / –	MPa	ISO 527–1/–2
Yield stress	85 / –	MPa	ISO 527–1/–2
Nominal strain at break	15 / –	%	ISO 527–1/–2
Flexural modulus	2800 / 1100	MPa	ISO 178
Flexural strength	110 / 50	MPa	ISO 178
Charpy impact strength (+23°C)	N / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3 / 27	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES	**DRY / COND**		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	75 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	166 / *	°C	ISO 75–1/–2
ELECTRICAL PROPERTIES	**DRY / COND**		
Relative permittivity (1 MHz)	4 / –	–	IEC 62631–2–1
Volume resistivity	>1E13 / –	Ohm*m	IEC 62631–3–1
Surface resistivity	– / 2E14	Ohm	IEC 62631–3–2
Electric strength	26 / –	kV/mm	IEC 60243–1
Comparative tracking index	600 / –	V	IEC 60112

All the trademarks mentioned here are trademarks of Envalior.
Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.
Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.
Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.
Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.

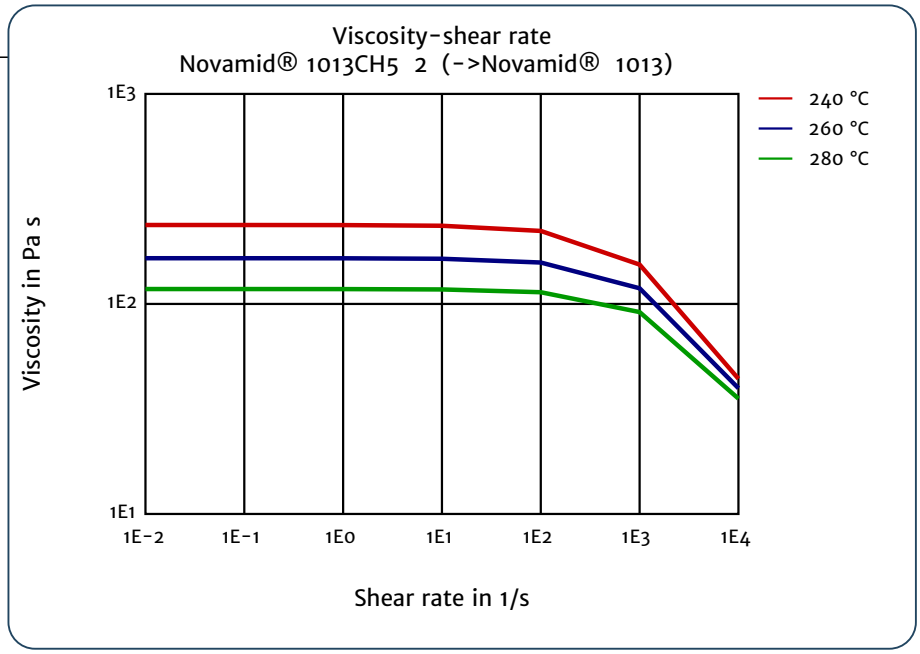
Property Data

Novamid® 1013CH5 2

Print Date: 2024–03–27

PROPERTIES	*TYPICAL DATA*	*UNIT*	*TEST METHOD*
OTHER PROPERTIES	***DRY / COND***		
Humidity absorption	2.8 / *	%	Sim. to ISO 62
Density	1130 / –	kg/m³	ISO 1183
MATERIAL SPECIFIC PROPERTIES	***DRY / COND***		
Viscosity number	133 / *	cm³/g	ISO 307, 1157, 1628

Viscosity–shear rate



All the trademarks mentioned here are trademarks of Envalior.
Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.
Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.
Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.
Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.