

Novamid[®] 1011CH5–KR

PA6

Injection Molding, Molding Release, Lubricated, Nucleated, Heat Stabilized

Print Date: 2024–03–27

Good and fast flow–ability. Very easy mold release. Ideal for injection molding. Ideal for high cycle injection molding production. Good flexibility. Good for hinged or bending feature of the parts.

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	1.4 / *	%	ISO 294–4
Molding shrinkage (normal)	1.4 / *	%	ISO 294–4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	2800 / –	MPa	ISO 527–1/–2
Yield stress	77 / –	MPa	ISO 527–1/–2
Nominal strain at break	>50 / –	%	ISO 527–1/–2
Flexural modulus	2600 / –	MPa	ISO 178
Flexural strength	106 / –	MPa	ISO 178
Charpy impact strength (+23°C)	N / –	kJ/m ²	ISO 179/1eU
Charpy impact strength (–30°C)	N / –	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	4.8 / –	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (–30°C)	2.4 / –	kJ/m ²	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)	56 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	153 / *	°C	ISO 75–1/–2
OTHER PROPERTIES			
	DRY / COND		
Humidity absorption	2.8 / *	%	Sim. to ISO 62

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

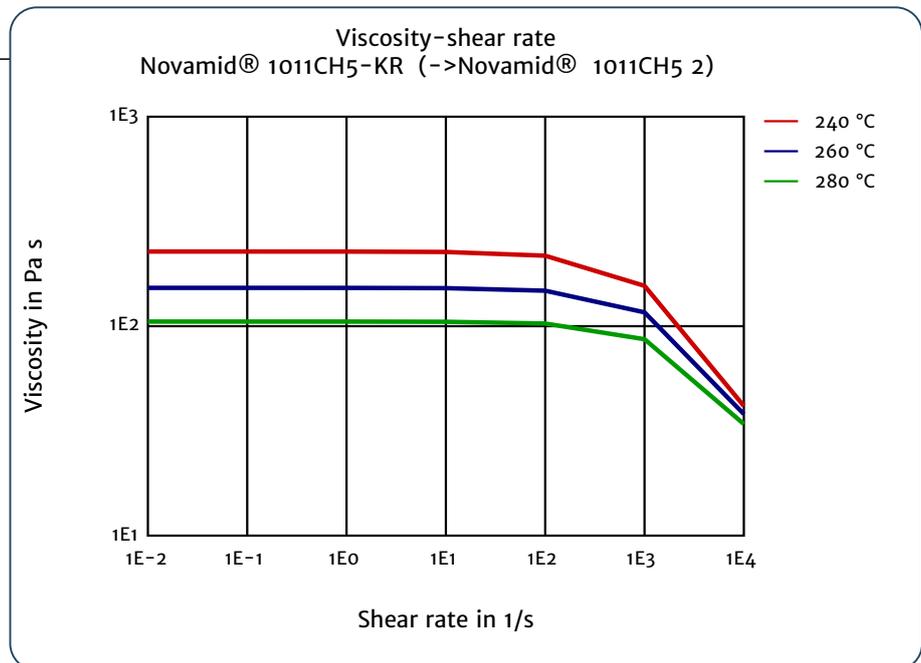
Novamid® 1011CH5–KR

Print Date: 2024–03–27

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
Density	1130 / –	kg/m ³	ISO 1183

MATERIAL SPECIFIC PROPERTIES	DRY / COND		
Viscosity number	125 / *	cm ³ /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.