

DSM 3.1.3

NORYL_ 30% G. Filled (Cast)

General:

NORYL: This is a strong engineering polymer blend of **PPO** and **PS** combined to create a thermoplastic that draws on the inherent benefits of each component. By varying the blend ratio, including additives, a variety of grades are available.

Polyphenylene oxide (PPO): Stiffness & surface hardness.

Polystyrene (PS): Prerequisite for processing.

Low moisture absorption and low thermal expansion make (PPO) one of the most dimensionally stable thermoplastics available. Widely used for electrical housings and structural components since it has excellent insulating properties, flame resistance, & dimensional stability over a wide range of service temperatures.

Benefits:

- Low moisture absorption.
- Service temperature to 145°C
- Easily machined & bonded
- Good for painting & plating.
- Electrically insulating

Limitations:

- Limited colour choice
- Poor resistance to petroleum products.
- Colour shift with UV exposure. Black grades offer best resistance.

ASM (DEK) Applications:

- Paste plunger, guides

Profiles:

- Plate: 8 – 40 mm thick
- Rod: 50 – 95 mm Diameter

These values are representative. For critical applications, refer to data-sheet.

MECHANICAL PROPERTIES					
	HARDNESS Shore A	TENSILE STRENGTH:	YOUNGS MODULUS:	POISSONS RATIO:	DENSITY:
PPO + 30 GF	---	83 MPa	2.8 GPa	0.36	1150 Kg/m³

Alternatives:

Alternative polymers are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

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DCR	7195	44832							

