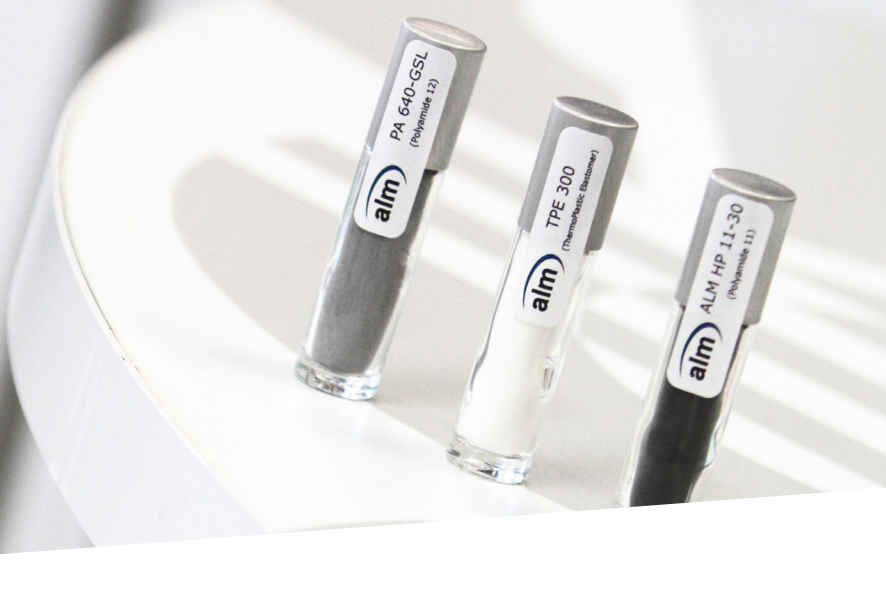
AN EOS COMPANY



PA 950 HD

NYLON 12

The material has exceptionally high reusability to increase production efficiency. Parts produced from PA 950 HD exhibit superior stability and surface finish.

HIGHLIGHTS

- → Improved surface finish & definition
- → Uniform black pigmentation
- → Stabilized polymer for consistent reusability
- → Maximized material efficiency with near zero waste

APPLICATIONS

- → Ideal for applications requiring mechanical stress resistance and a balance of strength and flexibility
- → Suitable for a variety of industries, including automotive and consumer goods

HEADQUARTERS

ALM - Advanced Laser Materials

3115 Lucius McCelvey, Temple, TX 76504
P: 1.254.773.3080
FAX: 1.254.773.3084
E: info@advancedlasermaterials.com

AdvancedLaserMaterials.com

PA 950 HD

AN EOS COMPANY

NYLON 12

The material has exceptionally high reusability to increase production efficiency. Parts produced from PA 950 HD exhibit superior stability and surface finish.

TYPICAL PHYSICAL PROPERTIES			
PROPERTY	**TEST METHOD**	**IMPERIAL**	**METRIC**
Color/Appearance	Visual	Black	Black
Bulk Density	ISO 60	0.277 oz/in³	0.48 g/cm³
Tensile Modulus XY	ASTM D638	242,200 psi	1670 MPa
Tensile Modulus Z	ASTM D638	253,800 psi	1750 MPa
Tensile Strength XY	ASTM D638	6,380 psi	44 MPa
Tensile Strength Z	ASTM D638	5,940 psi	41 MPa
Elongation at Break XY	ASTM D638	13.1 %	13.1 %
Elongation at Break Z	ASTM D638	6.1 %	6.1 %
Hardness (Shore D)	ISO 868	81	81
Flexural Strength XY	ASTM D790	9,715 psi	67 MPa
Flexural Strength Z	ASTM D790	9,425 psi	65 MPa
Flexural Modulus XY	ASTM D790	249,460 psi	1720 MPa
Flexural Modulus Z	ASTM D790	248,010 psi	1710 MPa
HDT 0.45 Mpa XY	ASTM D648	327 F	164 °C
HDT 0.45 Mpa Z	ASTM D648	332 F	167 °C
HDT 1.82 Mpa XY	ASTM D648	185 F	85 °C
HDT 1.82 Mpa Z	ASTM D648	186 F	86 °C
Sintered Part Density	ASTM D792	0.0357 lb/in³	0.99 g/cc

The material properties provided herein are for reference purposes only. Actual values may vary significantly as they are dramatically affected by part geometry and process parameters. Material specifications are subject to change without notice.