

DuPont™ Elvamide® 8063

NYLON MULTIPOLYMER RESIN

Product Information

DuPont Elvamide® nylon multipolymer resins are a family of unique polymers having outstanding abrasion resistance, high tensile strength and elongation, and excellent adhesion to nylon yarns.

Important benefits of DuPont Elvamide® are:

Excellent adhesion to nylon yarn

Readily applied from solutions in low cost, quick evaporating alcohols

High melting point prevents "gumming-up" at high needle temperatures frequently encountered in high speed sewing

Only 4% to 10% Elvamide® is required to give excellent bonding, with consistent quality

Elvamide® 8063 is a nylon multipolymer resin with improved gel resistance and low solution viscosity.

General information	Value	Unit	Test Standard
Resin Identification	PA6/66/610	-	ISO 1043
Part Marking Code	PA6/66/610	-	ISO 11469
Mechanical properties	dry / cond	Unit	Test Standard
Elongation at Break	315 / -	%	ASTM D 638
Flexural Modulus	900 / -	MPa	ASTM D 790
Tensile Strength	52 / -	MPa	ASTM D 638
Hardness, Rockwell, Scale R	71 / -	-	ASTM D 785
Thermal properties	dry / cond	Unit	Test Standard
Melting Point	158 / *	°C	ASTM D 3418
Other properties	dry / cond	Unit	Test Standard
Water Absorption, Immersion 24h	3.4 / *	%	Sim. to ISO 62
Specific Gravity	1.08 / *	-	ASTM D 792

Contact DuPont for Material Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc. ISO Mechanical properties measured at 160 mil (Hytrel® measured at 80 mil), IEC Electrical properties measured at 80 mil, all ASTM properties measured at 120 mil, and test temperatures are 73°F unless otherwise stated.

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