A Company Of OSA GROUP

ALL AROUND POLYMER

ISO 9001:2015



Electronics

Ordinance Applications

OVERPOWERING ALL CONDITIONS

OSAMIDE™

Nylon Compounds





Agriculture

Aerospace

Automotive

Construction



A Type of Polyamide Resin Specifically Made from Nylon

GENERAL ADVANTAGES



Possesses Excellent
Heat Stabilisation Properties



Durability in Humid
or Moist Environments

FUNCTIONAL (AROMATIC & SEMI-AROMATIC) OSAMIDES

These materials are strong and non-combustible.

Ideal for replacing metal in various applications.

Used in machine parts, jet engine components, fuel systems, and more, especially in defence and ordnance applications.

AAPL Grade Name	Product Family	F / UF (UF-Unfilled, GF-Glass Filled, MR-Mineral Filled, TA-Talc Filled)	Special Characteristics	Features [↑- Excellent, ↔- Good, ↓- Medium / Not Recommended]										
				Physical			Processing		Mechanicals			Resistivity		
				Surface Finish /Appearance	Dimensional Stability	Low Warpage	Melt/Flow Characteristics	Mold Release	Stiffness and Rigidity	Impact Strength	Low Temperature Ductility	Heat Resistance	Chemical Resistance	Abrasion Resistance
AROMATIC / SEMI-AROMATIC SERIES														
OSAMIDE RAG 7	PA6 T/6I	35% GF	35% Glass Fiber Filled, Semi Aeromatic	↔	↑	↔	↔	↑	↑	↑	↔	↑	↑	
OSAMIDE RAG 10	PA6 T/6I	50% GF	50% Glass Fiber Filled & Heat Stabilised Grade, Semi Aeromatic	↑	↑	↔	↔	↔	↔	↑	↓	↑	↑	
OSAMIDE RAG 12	PA6 T/6I	60% GF	60% Glass Fiber Filled & Heat Stabilised Grade, Semi Aeromatic	↑	↑	↔	↔	↔	↔	↑	↓	↑	↑	
OSAMIDE RAG 14	PA6 T/6I	70% GF	70% Glass Fiber Filled & Heat Stabilised Grade, Semi Aeromatic	↑	↑	↔	↔	↔	↔	↑	↓	↑	↑	
OSAMIDE CG10 H	PA6 /6T	50% GF	50% Glass Fiber Filled & Heat Stabilised Grade, Aeromatic HTN	↔	↑	↔	↔	↔	↔	↑	↔	↑	↑	
CARBON FIBER SERIES														
OSAMIDE AISC 3	PA66	15% CF	15% Carbon Fiber Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	
OSAMIDE AISC 6	PA66	30% CF	30% Carbon Fiber Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	
OSAMIDE AISC 7	PA66	35% CF	35% Carbon Fiber Filled	↑	↑	↔	↔	↔	↑	↑	↔	↑	↑	
OSAMIDE AISC 8	PA66	50% CF	50% Carbon Fiber Filled	↑	↑	↔	↔	↔	↔	↑	↓	↑	↑	

Note: Available with FR, UV, GF, or any other specified properties based on your requirements.

NYLON 6

Known for its good hardness, stiffness, and toughness.

Offers excellent mechanical properties, including resistance to wear and fatigue.

Used in gear manufacturing, slide fasteners, gaskets, and more.

Gives a lustrous finish with high chemical resistance and tensile strength.

NYLON 66

Offers high mechanical strength.

Used in applications like bulletproof vests and reinforced plastic piping.

Known for its chemical resistance and flexibility.



AAPL Grade Name	Product Family	F/UF (UF-Unfilled, GF-Glass Filled, MR-Mineral Filled, TA-Talc Filled)	Special Characteristics	Features [↑- Excellent, ↔- Good, ↓- Medium / Not Recommended]											
				Physical			Processing		Mechanicals			Resistivity		
				Surface Finish /Appearance	Dimensional Stability	Low Warpage	Melt/Flow Characteristics	Mold Release	Stiffness and Rigidity	Impact Strength	Low Temperature Ductility	Heat Resistance	Chemical Resistance	Abrasion Resistance
OSAMIDE BSZ 3	PA6	UF	Unfilled-low Temperature Impact Modified	↔	↔	↔	↑	↑	↔	↔	↔	↑	↑	↑
OSAMIDE BISG 6	PA6	30% GF	30% Glass Fiber Filled	↔	↑	↔	↑	↑	↑	↑	↓	↑	↑	↑
OSAMIDE 80 G 40 H	PA6	40% GF	40% GF- Heat Stabilised-Impact Modified	↔	↑	↑	↔	↔	↑	↔	↔	↑	↑	↑
OSAMIDE BRG 4	PA6	20% GF	20% Glass Fiber Filled	↔	↔	↔	↑	↑	↔	↔	↔	↔	↑	↑
OSAMIDE BRG 8	PA6	40% GF	40% Glass Fiber Filled	↔	↑	↔	↔	↔	↔	↔	↔	↑	↑	↑
OSAMIDE AEZ 4 BK	PA66	UF	High Flow, Impact Modified	↑	↔	↔	↑	↔	↔	↔	↔	↔	↔	↔
OSAMIDE AISG3	PA66	15% GF	15% Glass Fiber Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑
OSAMIDE AISG 6	PA66	30% GF	30% Glass Fiber Reinforced	↔	↑	↔	↔	↔	↑	↔	↔	↑	↑	↑

Note: Available with FR, UV, GF, or any other specified properties based on your requirements.



For more information, please contact us
at info@aapi.co.in or
visit our website: www.aapi.co.in

linkedin.com/company/all-around-polymer-llp/