A Company Of OSA GROUP

ALL AROUND POLYMER
ISO 9001:2015



Engineering

Construction

A HYBRID APPROACH TO EFFECTIVE PERFORMANCE

OSA ALLOY™
Thermoplastic Blends





Electrical Appliances

Consumer Products

Medical Devices

Automotive



A Polybutylene Terephthalate Compound with Increased Mechanical Strength

OSAALLOY represents a cutting-edge compound formed by blending two or more polymers with different molecular structures and properties. Utilising physical compounding or chemical grafting technologies, OSAALLOY achieves high performance and functionalisation, finding extensive applications in automotive, electronics, home appliances, office equipment, medical devices, and more. This dynamic compound enhances the properties of original polymers while optimising material costs, making it a rapidly growing segment in the plastic industry.

GENERAL ADVANTAGES

- Enhanced Mechanical Strength and Rigidity
- Provides Higher Impact Resistance

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
OSAALLOY 7030 HBK	PA/ ABS	UF	Unfilled- Lubricated, UV Treated	↑	↑	↔	↔	↔	↔	↑	↓	↑	↑	↑
OSAALLOY CP 1180	PC/ PBT	UF	Impact Modified	↔	↑	↑	↑	↔	↔	↑	↑	↑	↔	↑
OSAALLOY CP 6080	PC/ ABS	UF	Impact Modified, UV Stabilised, Excellent Flow	↔	↔	↔	↔	↑	↔	↔	↑	↔	↔	↔
OSAALLOY 5812	PBT/ PET	UF	Excellent Flow, Impact Modified	↔	↔	↔	↔	↑	↑	↔	↑	↔	↔	↑
OSAALLOY 504 GF	PBT/ PET	20% GF	Glass Fiber Reinforced	↔	↑	↔	↔	↔	↔	↔	↓	↑	↑	↑
OSAALLOY 5015 MR	PBT/ PET	15% MR	Impact Modified, Excellent Flow	↔	↔	↔	↔	↑	↔	↔	↑	↔	↔	↔
OSAALLOY 8070	PA6/ PA66	UF	High Flow, Impact Modified	↑	↔	↔	↑	↔	↔	↔	↔	↔	↔	↔
OSAALLOY 305	ABS /PBT	20% GF	20% 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/