



ChangZhou Yi Yi International Trading Co., Ltd.

PPO P254WO

Product description				
Material designation	>PPO-V1<			
Material properties	Excellent thermal deformation temperature and good impact strength			
Material shape	Granular			
Processing method	Injection molding			
Physical property	Condition	Test standard	Data	unit
Density		ASTM D792	1.06	g/cm ³
Water absorption	(23°C, 24 hr)	ASTM D570	0.060	%
Mold shrinkage		ASTM D955	0.60	%
Hardness	Condition	Test standard	Data	unit
Rockwell hardness		ASTM D785	118	R
Mechanical properties	Condition	Test standard	Data	unit
Tensile strength	23°C	ASTM D638	65.0	MPa
Bending strength	23°C	ASTM D790	90.0	MPa
Flexural modulus	23°C	ASTM D790	2400	MPa
Notched izod impact strength	23°C	ASTM D256	255	J/m
Thermal	Condition	Test standard	Data	unit
Heat deformation temperature	0.45MPa No annealing	ASTM D648	136	°C
Heat deformation temperature	1.80MPa No annealing	ASTM D648	260	°C
Flammability	Condition	Test standard	Data	unit
Fire protection grade		UL-94	-	V-1