

Children Toys
Material Solution (TPE/TPO)





Application Advantages

T P E

1. Easy-to-process moulding
2. Widely hardness range, custom by order supported
3. Excellent color matching and injection characteristics, soft and smooth touch
4. It meets the environmental protection test requirement of ROHS, REACH, EN71, ASTM-F963
5. Environmentally friendly, non-toxic

T P O

1. Easy-to-process moulding
2. Excellent color matching and injection characteristics, soft and smooth touch
3. Widely hardness range, custom by order supported
4. It meets the environmental protection test requirement of ROHS, REACH, EN71, ASTM-F963
5. Heat resistance
6. Mechanical properties
7. Environmentally friendly, non-toxic

Properties Datasheet

					Model	Model
General characteristics	Material properties	Testing standard	Test condition	Units	2880F	5060E
	Material category	-	-	-	TPO	SBC
	Appearance (light/Semi-matte/Frosted)	-	-	-	Semi-matte	Frosted
	Extrusion/Injection	-	-	-	Injection	Extrusion
Physical characteristics	Hardness	DIN 53505	155	Shore A	80	60
	Proportion	DIN 53479	-	g/cm ³	0.9	0.95
	Melt index	DIN 53735	230°C/5kg	g/10min	2	0.1
	Brittle temperature	ISO 812	-	°C	-50	-50
Mechanical properties	Elongation	DIN 53504	200mm/min	%	500	400
	Tensile Strength	DIN 53504	200mm/min	Mpa	13	7
	Tearing strength	DIN 53515	500mm/min	KN/m	40	30
Electrical performance	Volume resistivity	ASTM D257	-	Ohm-cm	≥1.0E+15	≥1.0E+15
Feature					Easy to process and shape, can be sprayed	Easy to process and shape, can be sprayed



ATP Polymer

ATP Polymer Technology Co.,Ltd

- ✉ info@atpchem.com
- ☎ +86 769 38802055
- 📞 +86 769 23116805
- 📍 2# Building,Guanghui Industrial Zone
Dongcheng Hi-Tech Park
Donguan,Guangdong
China

