

## E-Polymers EFLEX® S1080 General

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE , Polypropylene (PP)

### Material Notes:

S-series ( SBS, SEBS compound resins): E-FLEX S series resins are based on SBS/SEBS/SEEPS/PP exhibiting excellent high and low temperature resistance and easy processing with conventional thermoplastic equipment. Overmolding grade is based on SEBS/SEEPS/engineering plastics and exhibit excellent adhesion to engineering plastics as PA, PC, ABS, PC/ABS, PBT. It has product lines for general grade, transparent grade, overmolding grade, high temperature grade, medical grade and extrusion grade. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-EFLEX-S1080-General.php](http://www.lookpolymers.com/polymer_E-Polymers-EFLEX-S1080-General.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	ASTM D792
Melt Flow	15 g/10 min	15 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	84	84	ASTM D2240
Tensile Strength	9.2214 MPa	1337.5 psi	ASTM D412
Elongation at Break	690 %	690 %	ASTM D412
Compression Set	30 %	30 %	ASTM D395
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	50 %	50 %	ASTM D395
	@Temperature 70.0 °C	@Temperature 158 °F	
	78 %	78 %	ASTM D395
	@Temperature 100 °C	@Temperature 212 °F	

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