

# Hanwha Total TPE SE80

Thermoplastic Elastomer

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

SE80 Thermoplastic Elastomer is a dynamically fully cured thermoplastic elastomer. There is no vulcanization, and this is shipped pre-mixed an ready to process. This can be processed on extrusion,injection and blow molding equipment for faster molding cycle times and lower per-part costs.

General Information			
Features	Fast Molding Cycle		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Good Weather Resistance		
	Oil Resistant		
	Recyclable Material		
Uses	Automotive Exterior Parts		
	Automotive Interior Parts		
	Blow Molding Applications		
	Cable Jacketing		
	Electrical Parts		
	Seals		
	Wire Jacketing		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ASTM D1505
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	10.8	MPa	ASTM D412
Tensile Elongation (Break)	450	%	ASTM D412
Tear Strength	34.3	kN/m	ASTM D624
Compression Set (25°C, 70 hr)	40	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-60.0	°C	ASTM D746

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