

Solumer™ 865

Solumer™ 865, Polyolefin Elastomer (POE), is an ethylene-octene copolymer that performs well in a wide range of general purpose of thermoplastic elastomer applications, and has excellent flow characteristics.

Applications: General Purpose Thermoplastic Elastomers, Impact Modification, etc.

		Typical Values	Unit	Test Method	
Resin properties	Co-monomer	Octene-1		SK Method	
	Density	0.863	g/cm ³	ASTM D1505	
	MI	5.0	g/10min	ASTM D1238	
	Melting Point	43	°C	SK Method	
	Mooney Viscosity (ML 1+4 @ 121 °C)	8	MU	ASTM D1646	
Physical Properties¹	Tensile Strength at Break	44	kgf/cm ²	ASTM D638	
	Elongation at Break	>1000	%	ASTM D638	
	Tensile Modulus 100%	18	kgf/cm ²	ASTM D638	
	Flexural Modulus (1% secant)	80	kgf/cm ²	ASTM D790	
	Hardness	Shore A (1sec)	63		ASTM D2240
		Shore D (1sec)	15		
	Tear Strength (Type C)	33	kgf/cm	ASTM D624	

* Typical values, not to be used as specifications.

¹ Evaluated with compression molded sample.

These are typical values and are not to be construed as specifications. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.