



Engage® POE

Table 1: Typical Properties of Ethylene Octene Grades ⁽¹⁾

		ENGAGE™ POE Ethylene Octene Grades 乙烯-辛烯規格															
Property		8842 ⁽²⁾	8180	8130 8137 ⁽²⁾	8150 8157 ⁽²⁾	8100 8107 ⁽²⁾	8200 8207 ⁽²⁾	8400 ⁽³⁾ 8407 ^(2,3)	8452	8411	8003	8401	8440	8480	8450	8402	8540
Density, g/cm ³ ASTM D 792 密度		0.857	0.863	0.864	0.868	0.870	0.870	0.870	0.875	0.880	0.885	0.885	0.897	0.902	0.902	0.902	0.908
Melt Index, g/10 min (2.16 kg @ 190°C) ASTM D 1238 熔融指數		1	0.5	13	0.5	1	5	30	3	18	1	30	1.6	1	3	30	1
Mooney Viscosity (ML 1+4 @ 121°C) ASTM D 1646 黏度		25	37	4	33	24	8	2	11	3	23	2	13	20	10	2	20
Total Crystallinity, % ⁽⁴⁾ 結晶度		13	16	13	16	18	19	21	20	24	25	25	27	33	29	34	34
Durometer Hardness (Shore A) ASTM D 2240 硬度		54	63	63	70	73	66	72	74	81	84	84	86	89	90	88	90
Durometer Hardness (Shore D) ASTM D 2240		11	16	13	20	22	17	20	24	27	31	26	36	42	43	34	47
DSC Melting Peak, °C Rate 10°C/min ⁽⁴⁾ 熔點		38	47	56	55	60	59	65	66	76	77	80	93	99	97	96	104
Glass Transition Temperature, °C DSC Inflection Point ⁽⁴⁾ 玻璃轉移溫度		-58	-55	-55	-52	-52	-53	-54	-51	-50	-46	-47	-33	-31	-32	-36	-32
2% Secant Flexural Modulus, MPa ASTM D 790 撓曲模數		4.0	7.7	7.3	14.4	13.1	10.8	10.5	16.8	20.5	32.6	30.6	54.3	81.5	78.3	72.0	107.8
Ultimate Tensile Strength, MPa (508 mm/min) ASTM D 638 拉伸強度		3.0	6.3	2.4	9.5	9.76	5.7	2.8	11.2	7.3	18.2	8.5	20.4	24.8	22.4	11.3	27.9

ENGAGE™ 8400 is available in the European region. ENGAGE™ 8407 is available globally.