

Grade	Ion type	Item	Measurement method	Density	Tensile stress at break	Tensile breaking strain	Bending rigidity	Torsional rigidity modulus	Durometer D hardness	Vicat softening temperature	Melting point	Brittle temperature	Optical properties (1 mm thickness) ²		Food hygiene ○ Listed (acquired), X: Not listed (not acquired) - : Unknown 1) Dow-Mitsui Polychemicals has not conducted an elution test using a food simulant-solvent. 2) Even if it is listed (acquired), there may be various restrictions and other requirements, please make sure to confirm the details with us. 3) Food hygiene information does not necessarily reflect the latest version of each law or regulation (including voluntary standards). Please be sure to confirm the details with us.			
													Haze	Total light transmittance				
		Measurement method	JIS K7210 :1999 (190°C, 2.16kg load)	JIS K7112 :1999	JIS K7161-1:2014 K7161-2:2014 ¹	JIS K7161-1:2014 K7161-2:2014 ¹	JIS K7106 :1995	ASTM D-1043	JIS K7215 :1986 ³	JIS K7206 :1999	(DSC)	JIS K 7216 :1980	JIS K7136 :2000	JIS K7361-1 :1997				
Unit	g/10min	kg/m ³	MPa	%	MPa	MPa	-	°C	°C	°C	%	%						
1706	Zn		0.9	960	33	300	310	120	68	65	88	-60 以下	2.6	92	○	○	○	○
1705	Zn		5.0	950	31	400	200	94	63	65	91	-60 以下	5.6	91	○	○	○	○
1702	Zn		16	950	27	400	170	35	62	63	90	-60 以下	7.4	91	○	○	○	○
1650	Zn		1.5	950	30	400	250	110	63	74	96	-60 以下	7.8	87	○	○	○	○
1557	Zn		5.5	950	24	400	260	98	63	72	95	-60 以下	16	88	○	○	○	○
1554W	Zn		1.0	960	32	400	270	140	65	71	95	-60 以下	10	88	○	○	○	○
1652	Zn		5.5	940	24	500	160	72	58	80	98	-60 以下	27	84	○	○	○	○
AM7326	Zn		1.1	950	30	400	280	150	62	83	101	-60 以下	17	85	○	○	○	○
1855	Zn		1.0	960	32	400	92	38	60	56	86	-60 以下	5.7	91	○	○	○	○
1707	Na		0.9	940	33	300	310	120	67	60	89	-60 以下	3.5	92	○	○	○	○
1605	Na		2.8	940	35	400	320	120	68	66	92	-60 以下	3.3	92	○	○	○	○
1555	Na		10	940	23	400	240	84	63	72	95	-60 以下	15	90	○	○	○	○
1601	Na		1.3	940	31	400	230	80	63	73	97	-60 以下	6.8	91	○	○	○	○
AM79021	Na		2.8	940	29	400	250	110	63	75	97	-60 以下	10	88	○	○	○	○
LDPE			0.9	920	17	600	170	—	48	93	109	-60 以下	96	78				
EVA	(VA10%)		9.0	930	15	700	72	—	41	71	96	-60 以下	89	85				

* 1 Tensile test - test piece type and testing speed: JIS K 7161-2 / 1BA / 20

* 2 Conditions for creating a test piece for optical properties (JIS K7151, cooling method: B method)

* 3 Measurement instrument: Asker P-2 sensor descent rate: 10.0 mm / s

Note: The data above are typical values and cannot be used as standard values.

As there are large differences between different grades of HIMILAN, please consult with Dow-Mitsui Polychemicals when deciding on which grade to use.

Only typical grades are listed in this table. Please contact Dow-Mitsui Polychemicals to inquire whether there are any grades other than those listed.