

# ACRYFT™

## Technical Data Sheet of ACRYFT™

READ SAFETY DATA SHEET (SDS) BEFORE HANDLING AND USE OF MATERIAL.

ACRYFT™ is a copolymer of Ethylene-Methylmethacrylate (E-MMA) which was developed and manufactured by Sumitomo Chemical Co. Ltd.

2016.8 1000E

Main Application			General Purpose			Film / Sheet					Laminated Film			Wire & Cable	Hotmelt Adhesives	
			Resin Modifier					Soft Matte Film								
Grade/Item	Test Method	Unit	WD106	WK307	WK402	WD203-1	WD201-F	WH206-F	CM-8013	CM-8014	WD301-F	WH303-F	WH401-F	WH102	CM5021	CM5022
MMA Content	Infra Red Sumika-Method	wt%	5.8	25	25	5	10	20	12.5	17.5	10	18	20	17	28	32
M.F.R.	JIS K7210-1999	g/10min.	0.32	7	20	2	2	2	3.5	4	7	7	20	0.25	450	450
Density	JIS K7112-1999	kg/m <sup>3</sup>	920	940	940	920	930	940	930	940	930	940	940	930	940	950
Tensile Strength	JIS K7113-1995	MPa	18	9	8	15	16	16	11	10	11	9	8	25	2	2
Elongation	JIS K7113-1995	%	750	730	750	750	740	720	710	700	700	750	700	750	320	350
Flexural Modulus	ASTM D747-70	MPa	80	17	15	88	65	20	60	32	65	27	17	35	8	6
Durometer Hardness	JIS K7215-1986	A	100	85	84	100	100	90	95	91	97	91	89	93	73	65
		D	48	31	30	48	43	38	42	36	43	36	34	43	20	17
Vicat Softening P.	JIS K7206-1999	°C	85	47	45	83	75	60	65	60	75	60	50	73	<25	<25
Melting P.	JIS K7121-1987	°C	101	80	79	106	100	86	89/110	79/110	100	89	86	90	67	63
R&B Softening P.	JIS K2207-1996	°C	>195	143	125	185	185	185	175	170	150	146	125	>195	90	89
Brittle Temp.	JIS K7216-1980	°C	<-75	<-75	<-75	<-75	<-75	<-75	<-75	<-75	<-75	<-75	<-75	<-75	-46	-46
E.S.C.R.	ASTM D1693-70	hr	>300	>300	50	5	50	>300	1	>300	1	80	13	>300	<1	<1

Note: Those values are typical averages and not to be considered as sales specification or guaranteed value.

