

μ -talc Range Selection Guide

μ -talc Material Range



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MICRO-TALC RANGE SELECTION GUIDE



	Filler content % in weight	Density	Long shrinkage at +23°C	HDT 1.8 MPa (°C)	Flexural Modulus at 23°C (MPa)	Flexural Modulus at 90°C (MPa)	Tensile at yield at 23°C (MPa)	Elongation at yield at 23°C (%)	Unnotched Charpy impact KJ/m ²		μ-Talc Masterbatch Solution to be added in %	
									-23°C	+23°C	MPH 3015 TA1	MPH 5015 TA1
POLYPROPYLENE COPOLYMER												
PPC	0	0.90	1.80	50	1000	NS	25	7	75-85	190		
PPC	3	0.91	1.43	54	1210	NS	25	5.9	125-135	> 180	10	6
PPC	6	0.93	1.38	58	1470	NS	25	5.9	72-82	> 180	20	12
PPC	9	0.95	1.35	60	1740	NS	28	5	60-70	164	30	18
PPC	12	0.99	1.25	62	1840	NS	28	4.2	55-65	140	40	24
PPC	18	1.05	1.00	68	2570	NS	32	3.8	45-55	90	55	36
PPC	30	1.12	0.85		3450	NS		2.6			100	60
PPC	40	1.23	NS	NS	NS	NS	NS	NS	NS	NS	NS	80
PPC	50	1.32	NS	NS	NS	NS	NS	NS	NS	NS	NS	100
POLYPROPYLENE HOMOPOLYMER												
PPH	0	0.90	1.80	51	1200	305	35	6	22-27	110		
PPH	3	0.91	1.26	59	1830	540	38	3.8	17-22	85	10	6
PPH	5	0.93	1.25	62	2010	590	39	3.8	17-22	84	20	12
PPH	7	0.96	1.21	64	2300	650	39	3.8	15-20	72	30	18
PPH	10	0.99	1.15	70	2600	760	40	1.8	15-20	65	40	24
PPH	20	1.05	1.00	84	3760	1120	41	1.1	14-19	44	55	36
PPH	30	1.12	0.90	91	4800	1500	41	1.1	10-15	30	100	60
PPH	40	1.23	0.68	100	5800	NS	40	1.8	NS	18.5	NS	80
PPH	50	1.32	0.53	105	6800	NS	40	1.3	NS	14	NS	100

INDICATION : NS : Not Significant

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