



PHYSICAL PROPERTIES



TPE MASTERBATCH

Grade Number	MI	Density	Hardness	Tensile Strength	Elongation	Tear Strength	Softening Point
Test Method	ASTM D1238	ASTM D792	ASTM D2240	ASTM D638	ASTM D638	ASTM D624	ASTM D1525
Unit	g/10min	g/cm ³	Shore A	kg/cm ²	%	kg/cm	°C
GSE-26X	1.0 (190°C@2.16kg)	0.95 - 1.10	68±2	96	790	48	100 - 105
GSE-27X	1.0 - 2.0 (190°C@2.16kg)	0.95 - 1.05	62±2	56	690	31	100 - 105
GSE-28	3.0 (200°C@5kg)	0.90 - 1.10	82±2	67	470	52	95 - 100
GSE-36	4.0 - 5.0 (190°C@2.16kg)	1.10 - 1.20	60±2	40	830	22	85 - 90
GSE-40	3.0 - 5.0 (190°C@2.16kg)	1.04 - 1.07	40±2	40	940	17	90 - 95
GSE-46	4.0 - 5.5 (190°C@2.16kg)	0.95 - 1.10	60±2	27	1219	21	100 - 110
GSE-48	0.1 - 1.0 (190°C@2.16kg)	0.95 - 1.05	46±2	25	1081	18	60 - 65
GSE-58	1.0 - 2.0 (190°C@2.16kg)	0.90 - 1.00	80±2	69	650	41	85 - 90
GSE-101	2.0 - 3.0 (190°C@2.16kg)	0.94 - 0.98	100±2	119	360	69	120 - 125
HD-1	2.86 (190°C@2.16kg)	1.20 - 1.30	75±2	44	140	35	100 - 105
NB-1	1.0 - 2.0 (150°C@2.16kg)	1.15 - 1.30	75±2	21	670	20	105 - 110
GSE-68	1.3 - 1.5 (150°C@2.16kg)	1.05 - 1.20	58±2	17	610	14	95 - 105
GSE-70FIR	2.07 (190°C@2.16kg)	1.56	80±2	-	-	-	105 - 110

CROSS-LINKING AGENT

Grade Number	Density
Unit	g/cm ³
VG-301	1.15

FLOW PROMOTER

Grade Number	Flash Point COC	Acid Value KOH	Ash WT	Molecular Weight	Softening Point
Unit	°C	mg/g	%	Mn	°C
YC-100	215	< 0.01	< 0.1	900	100

All given data should be considered as a reference guide.

Version 3. 2023.01.02