



Grade: TPV – 60A – Black

SAE J 2558 TPV: A44544, BS2440, C34, DA58, EL290,
F60, GB12, SGB970, TMA1.4, TS3, WE2500D

Suffix	Property	Test Method	Requirements
A44544	Heat Resistance, 1008 h @ 125°C Hardness, Type A point change max Tensile Strength, % change max Elongation, % change max	ISO 188	 +/- 8 +/- 30 +/- 40
BS2440	Compression Set, %, 70 h at 125°C	ISO 815, Type A	40% max
C34	Ozone Resistance	ISO 1431-1	No cracking
DA58	Hardness, Type A	ISO 868	58 +/- 5
EL290	Elongation, %	ISO 37, Type 1	290 min
F60	Low Temperature Brittleness, °C	ISO 812, Procedure A	-60 max
GB12	Tear Strength, kN/m	ISO 34-1, Method B Procedure (a)	12 min
SGB970	Specific Gravity	ISO 1183	0.97 +/- 0.03
TMA1.4	Tensile Stress at 100 % Elongation, MPa	ISO 37, Type 1	1.4 min
TS3	Tensile Strength, MPa	ISO 37, Type 1	3.0 min
WE2500D	UV Resistance, Delta E	SAE J1960, 2500 kJ/m ²	3.0 max

Grade: TPV –65A – Black

SAE J 2558 TPV: A44544, BS2450, C34, DA65, EL300,
F60, GB17, SGB970, TMA1.8, TS5.8, WE2500D

Suffix	Property	Test Method	Requirements
A44544	Heat Resistance, 1008 h @ 125°C Hardness, Type A point change max Tensile Strength, % change max Elongation, % change max	ISO 188	 +/- 8 +/- 30 +/- 30
BS2450	Compression Set, %, 70 h at 125°C	ISO 815, Type A	50% max
C34	Ozone Resistance	ISO 1431-1	No cracking
DA65	Hardness, Type A	ISO 868	65 +/- 5
EL300	Elongation, %	ISO 37, Type 1	300 min
F60	Low Temperature Brittleness, °C	ISO 812, Procedure A	-60 max
GB17	Tear Strength, kN/m	ISO 34-1, Method B Procedure (a)	17 min
SGB970	Specific Gravity	ISO 1183	0.97 +/- 0.03
TMA1.8	Tensile Stress at 100 % Elongation, MPa	ISO 37, Type 1	1.8 min
TS5.8	Tensile Strength, MPa	ISO 37, Type 1	5.8 min
WE2500D	UV Resistance, Delta E	SAE J1960, 2500 kJ/m ²	3.0 max

Grade: TPV –75A – Black

SAE J 2558 TPV: A44544, BS2450, C34, DA65, EL300,
F60, GB17, SGB970, TMA1.8, TS5.8, WE2500D

Suffix	Property	Test Method	Requirements
A44544	Heat Resistance, 1008 h @ 125°C Hardness, Type A point change max Tensile Strength, % change max Elongation, % change max	ISO 188	 +/- 8 +/- 30 +/- 30
BS2450	Compression Set, %, 70 h at 125°C	ISO 815, Type A	55% max
C34	Ozone Resistance	ISO 1431-1	No cracking
DA65	Hardness, Type A	ISO 868	75 +/- 5
EL300	Elongation, %	ISO 37, Type 1	340 min
F60	Low Temperature Brittleness, °C	ISO 812, Procedure A	-60 max
GB17	Tear Strength, kN/m	ISO 34-1, Method B Procedure (a)	17 min
SGB970	Specific Gravity	ISO 1183	0.97 +/- 0.03
TMA1.8	Tensile Stress at 100 % Elongation, MPa	ISO 37, Type 1	2.6 min
TS5.8	Tensile Strength, MPa	ISO 37, Type 1	6.5 min
WE2500D	UV Resistance, Delta E	SAE J1960, 2500 kJ/m ²	3.0 max

Grade: TPV –87A – Black

SAE J 2558 TPV: A44544, BS2475, C34, DA87, EL470,
F60, GB17, SGB970, TMA6, TS11, WE2500D

Suffix	Property	Test Method	Requirements
A44544	Heat Resistance, 1008 h @ 125°C Hardness, Type A point change max Tensile Strength, % change max Elongation, % change max	ISO 188	 +/- 8 +/- 30 +/- 30
BS2450	Compression Set, %, 70 h at 125°C	ISO 815, Type A	55% max
C34	Ozone Resistance	ISO 1431-1	No cracking
DA65	Hardness, Type A	ISO 868	75 +/- 5
EL300	Elongation, %	ISO 37, Type 1	340 min
F60	Low Temperature Brittleness, °C	ISO 812, Procedure A	-60 max
GB17	Tear Strength, kN/m	ISO 34-1, Method B Procedure (a)	17 min
SGB970	Specific Gravity	ISO 1183	0.97 +/- 0.03
TMA1.8	Tensile Stress at 100 % Elongation, MPa	ISO 37, Type 1	2.6 min
TS5.8	Tensile Strength, MPa	ISO 37, Type 1	6.5 min
WE2500D	UV Resistance, Delta E	SAE J1960, 2500 kJ/m ²	3.0 max

Grade: TPV – 40D – Black

SAE J 2558 TPV: A44555, C34, DD40, EL500, F55,
GB55, SGB950, TMA8, TS14, WE2500D

Suffix	Property	Test Method	Requirements
A44555	Heat Resistance, 1008 h @ 125°C Hardness, Type D point change max Tensile Strength, % change max Elongation, % change max	ISO 188	 +/- 8 +/- 40 +/- 40
C34	Ozone Resistance	ISO 1431-1	No cracking
DD40	Hardness, Type D	ISO 868	40 +/- 5
EL500	Elongation, %	ISO 37, Type 1	500 min
F55	Low Temperature Brittleness, °C	ISO 812, Procedure A	-55 max
GB55	Tear Strength, kN/m	ISO 34-1, Method B Procedure (a)	55 min
SGB950	Specific Gravity	ISO 1183	0.95 +/- 0.03
TMA8	Tensile Stress at 100 % Elongation, MPa	ISO 37, Type 1	8 min
TS14	Tensile Strength, MPa	ISO 37, Type 1	14.0 min
WE2500D	UV Resistance, Delta E	SAE J1960, 2500 kJ/m ²	3.0 max



JyBond 70 Shore A

SAE J2558 TPV (A23433, DB1260, C24, DA70, EL500, F54, GB20, HP14, MB, PA2V, SGB920, TS5, WE2500D, WI1240D, Z1, Z2, Z3, Z4, Z5,Z6,Z7)

Z1= Dumbbells shall be cut perpendicular to the grain ISO 37 9.1.

Z2=Painted panel used in PA2V must be identified in test report

Z3=Test Frequency

DA80, TS6, EL450, SGB910 (Each Lot)

PA2V, A23433, DB1260, C24, F54 GB20, HP14, MB (Annually)

WE2500D, WI1240D (Tested For Initial Approval)

Z4=Test Sample Size. 6 lots of material must be tested for initial approval, except WE2500D & WI1240D, which will be 3 lots of material. A sample size of 5 from each lot is required, except WE2500D & WI1240D, which sample size of 1. Average of the 5 samples will be reported for each lot.

Z5= A lot of material is anything less than a 24 hours production amount or the amount that is produced in a continuous operation or when production is concluded to produce other materials on mixing equipment.

Z6=0.6 Maximum Kinetic Coefficient of Friction (COF) per ASTM D 1894, Measured on a molded slab of greater than 2mm thick.



JyBond 80A

SAE J2558 TPV (A23433, DB1260, C24, DA80, EL450, F54, GB20, HP14, MB, PA2V, SGB910, TS6, WE2500D, WI1240D, Z1, Z2, Z3, Z4, Z5,Z6,Z7)

Z1= Dumbbells shall be cut perpendicular to the grain ISO 37 9.1.

Z2=Painted panel used in PA2V must be identified in test report

Z3=Test Frequency

DA80, TS6, EL450, SGB910 (Each Lot)

PA2V, A23433, DB1260, C24, F54 GB20, HP14, MB (Annually)

WE2500D, WI1240D (Tested For Initial Approval)

Z4=Test Sample Size. 6 lots of material must be tested for initial approval, except WE2500D & WI1240D, which will be 3 lots of material. A sample size of 5 from each lot is required, except WE2500D & WI1240D, which sample size of 1. Average of the 5 samples will be reported for each lot.

Z5= A lot of material is anything less than a 24 hours production amount or the amount that is produced in a continuous operation or when production is concluded to produce other materials on mixing equipment.

Z6=0.6 Maximum Kinetic Coefficient of Friction (COF) per ASTM D 1894, Measured on a molded slab of greater than 2mm thick.



JYFLEX Call-Out SAE J2558

SAE J2558 TPV (A42544, BP2240, BP1230, BP3360, C24, DA27, EL400, F50, GB10, HP1470, SGC920, TMA0.4, TS03, ZWE2500D, ZPAV, Z00, Z01, Z02, Z03, Z04)

Z01- All Tensile, Elongation, Tear, test specimens shall be cut perpendicular to "flow" of material and Type #1 Dumbbell, except tear specimen which shall be as identical as "B" in GB10 with the flow running perpendicular to the length of the test piece and the tear would be recorded "with the flow" of material.

Z02 – Five lot data for initial approval, five data points for each lot required.

Z03 – Continuous Conformance- One lot data once per year with 5 data points except Weatherometer which will be 1 data point @ 2500 kJ/m².

Z04 – A lot of material is a continuous run of material on a specific date.

ZPAV Note - No Contact or Migratory Stain-Visual Exam. Test 24 Hours @ 80C. Irradiation time @24 Hrs. Panels to be Base Coat: HWB583542 Stone White PPG Clear Coat: DCT5002H.

ZWE-Measurements are reported to be at 600, 1500, 2000, and 2500 (± 100 kJ/m²) unwashed and washed @ 2500 kJ/m²