



SLIPCOAT TPV-123-45D-100D Black

SAE J2558 TPV

(SAE J2558 TPV (DD45, PAV2, SGC1050, WE2500D, Z1, Z2, Z3, Z4, Z5, Z6, Z7))

This is a specialty TPV grade which has low friction resistance and is especially designed for slip-coating materials in weatherstrip applications. Key features – Designed for applications requiring excellent wear resistance, excellent weather resistance or part surface with low friction factor; Designed for excellent surface smoothness and flexibility as slip-coating material.

REQUIREMENT	Typical Value	CALL OUT	Test Method
Hardness	45D	DD45	ISO 868 5-sec delayed From Extruded Tape
Staining Resistance	No visible Contact/migratory staining	PAV2	ISO 3865
Specific Gravity	1.05	SGC1050	ISO 1183 (Tolerance +/- 0.05)
UV Resistance 2500 kJ/m2 Xenon Arc Delta E = 3.0 Max	<1	WE2500D	SAE 1960
Tensile Strength at Break	19 MPa min	Z01	ISO 37-1 Type C @ 500mm/minute
Elongation at Break	494% min	Z02	ISO 37-1 Type C @ 500mm/minute
Tensile Strength at 100% Strain	11.9 MPa	Z03	ISO 37-1 Type C @ 500mm/minute
Kinetic Coefficient of Friction (COF)	0.25 max	Z04	ASTM D1894
Test Frequency - Hardness, Tensile Strength @ Yield, Elongation @ Yield, Specific Gravity (each lot), COF (Annually) - Xenon Arc weathering (test for initial approval)	N/A	Z05	
Material Name: Slipcoat TPV-123-45D-100D BK	N/A	Z06	



Z6= Color change over the life of the part shall be centered on the color target of the customer.	N/A	Z07	
---	-----	-----	--

Processing Recommendations (Extrusion)

Temperature: Extruder: 195°C to 210°C
Melt Temp: 210 +/- 5°C
Die Temp: 205 to 215°C

Extruder: 24/1 L/D ratio with a maddock mixing or high shear design screw

Screw Speed: Minimum of 20 rpm

Drying: 4 hours @ 65°C