

Japan proposal

C2/C3 Wet grip in worn state

GRBP IWG WGWT

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JAPAN AUTOMOBILE STANDARDS INTERNATIONALIZATION CENTER



C2 Class tyre

Current R117-02
Wet grip threshold for tyre in new state

Category of use		Wet grip index (G)	
		Other	Traction tyres
Normal tyre		≥ 0.95	≥ 0.85
Snow tyre		≥ 0.95	≥ 0.85
	Snow tyre for use in severe snow conditions	≥ 0.85	≥ 0.85
Special use tyre		≥ 0.85	≥ 0.85

Ref. Draft Japan proposal C2/C3 Regulatory test proposal for IWG WGWT
Wet Grip threshold for tyre in worn state

Category of use		Wet grip index (G_B)	
		Other	Traction tyres
Normal tyre		0.82	0.74
Snow tyre		0.82	0.74
	Snow tyre for use in severe snow conditions	0.74	0.74
Special use tyre		0.74	0.74

$G_B = \text{current R117-02 threshold} \times K_{\text{worn}}$

Threshold for tyre in worn state for C2 should be defined based on current R117-02 threshold for tyre in new state.



C3 Class tyre

Current R117-02
Wet grip threshold for tyre in new state

Category of use		Wet grip index (G)	
		Other	Traction tyres
Normal tyre		≥ 0.80	≥ 0.65
Snow tyre		≥ 0.65	≥ 0.65
	Snow tyre for use in severe snow conditions	≥ 0.65	≥ 0.65
Special use tyre		≥ 0.65	≥ 0.65

Ref. Draft Japan proposal C2/C3 Regulatory test proposal for IWG WGWT
Wet Grip threshold for tyre in worn state

Category of use		Wet grip index (G _B)	
		Other	Traction tyres
Normal tyre		0.66	0.54
Snow tyre		0.54	0.54
	Snow tyre for use in severe snow conditions	0.54	0.54
Special use tyre		0.54	0.54

$$G_B = \text{current R117-02 threshold} \times K_{\text{worn}}$$

Threshold for tyre in worn state for C3 should be defined based on current R117-02 threshold for tyre in new state.