

Summary of EN45545-2 Test report of Vydyne 22HSP BK Polyamide 66 – Ty-Rap® High Performance Cable Ties for RailWay applications TY-MX-RW

➤ Test Description:

<u>Report No.</u>	<u>Date</u>	<u>Test House</u>	<u>Test Standard</u>
R25-0457A	17/06/2025	Currenta	EN ISO 4589-2
R25-0457B	07/07/2025	Currenta	EN ISO 5659-2
R025-0457C	24/06/2025	Currenta	NF X 70-100-1/-2 EN 17084 Method 2

➤ Product Range:

<u>Item Number</u>	<u>GID</u>
TY23MX-RW	7TCG009040R0015
TY232MX-RW	7TCG009040R0014
TY234MX-RW	7TAG009050R0005
TY24MX-RW	7TCG009130R0010
TY242MX-RW	7TCG009130R0011
TY26MX-RW	7TCG009120R0006
TY244MX-RW	7TCG009130R0012
TY25MX-RW	7TCG009210R0085
TY253MX-RW	7TCG009220R0011
TY28MX-RW	7TCG009210R0086
TY271MX-RW	7TCG009450R0226
TY272MX-RW	7TAG009330R0008
TY277MX-RW	7TAG009330R0011
TY27MX-RW	7TAG009320R0006
TY29MX-RW	7TAG009330R0015

➤ Test requirements:

Requirements of EN45545-2: 2020		EN ISO 4589-2	EN ISO 5659-2	EN 17084 (Method-2)
		OI % (min)	D _s max. (max)	CIT _{NLP} (max)
Vehicle Category (R22)	HL1	28	600	1.2
	HL2	28	300	0.9
	HL3	32	150	0.75
Vehicle Category (R23)	HL1	28	-	-
	HL2	28	600	1.8
	HL3	32	300	1.5

➤ **Test Result:**

Applicable Standard	Test Description	Test Results
EN ISO 4589-2	Oxygen Index – OI % (min)	≥ 28 % < 32 %
EN ISO 5659-2	Smoke Density – Ds max. (max)	332
EN 17084 (Method-2)	Toxic Fumes index – CITNLP (max)	0.01

➤ **Classification / Rating:**

R22: HL1

R23: HL1, HL2



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