

December 2019

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This supplement to Guideline DVS 2207-3 contains welding parameter reference values for hot-ga string-bead welding and hot-gas welding with torch separate from filler rod. They apply to manual we ding with the equipment described in Guideline DVS 2207-3 Supplement 2 and the materials lister in Table 1.

Before the parameters are applied, the information provided by the semi-finished product man acture must also be taken into account.

By coordinating the parameters for hot-gas temperature, gas quantity and welding spe ust be ensured that the parts to be joined are plasticised to a depth of at least 0.3 mm at the

Welding- process	Materials	Abbrev- iation	Hotgas- tempera-	Hotgas- volume-	Welding- speed <sup>3)</sup>	veldn. force [N]	
			ture <sup>1)</sup> [°C]	flow <sup>2)</sup> [NI/min]	[mm/min1	3 m	4 mm
Hot-gaswelding with the torch sepa- rate from the filler rod (WF)	High-density polyethylene	PE <sup>4)</sup>	300320	40 - 60	700	8 10	20 25
	Poly- propylene, Type 1, 2, 3	PP-H, PP- B, PP-R	305315		60 . 10		
	Unplasticised polyvinyl chloride	PVC-U	330350		119170	810	
	Chlorinated polyvinyl chloride	PVC-C	340360	5	60100	1520	
	Polyvinylide- ne fluoride	PVDF	350370		4060		2530
Hot-gas string-bead welding (WZ)	High-density polyethylene	PE <sup>4)</sup>	300 40	15 - 60	250350	1520	2535
	Poly- propylene, Type 1, 2, 3	PP-H, PP- B, PP-R	10				
	Unplasticised polyvinyl chloride	PVC-U	350370				
	Chlorinated polyvinyl chloride	PV -C	370390		180220	2025	3035
	Polyvinylide ne fluoride	PVDF	365385		200250		

Table 1. Welding parameter reference values

<sup>1)</sup> Measured at the ceptre of using main nozzle orifice, 5 mm into the nozzle
<sup>2)</sup> Cold air intake volume at embient pressure
<sup>3)</sup> depending on the illegmatical diameter, the welding temperature and the weld joint geometry
<sup>4)</sup> PE 63, PE 80, PE 100, PF 100 RC

