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pigment red 166, Red RN

Chemical:

CI structure number 20730

Azo condensation pigment structure

Molecular formula: C₄₀H₂₄Cl₄N₆O₄

CAS registration number 3905-19-9

pigment red 166 is a yellowish red, high heat resistance even at low concentrations, excellent fastness properties.

Application Data

item		PVC	PE	PS	ABS	PC
	pigment%	0.2	0.1	0.2	0.2	0.05
tinting strength 1/3 standard	titanium dioxide%	2	1			
lightfastness	transparent			7-8	7	8
	titanium dioxide			7-8	7-8	7-8
heat resistance 1/3 SD 5min			300	280	260	280
weather resistance		4-5	3-4			
immigration resistance		5	5	5	5	5

Application:

pigment red 166 application as the table below

LLDPE/ LDPE	HDPE	PP	PPVC	RPVC	rubber	PS/SAN	ABS	PC	PBT	PA	POM	PET
●	●	●	●	●	●	●	●	○			●	●

● Suitable, ○ Limited suitability, – Not suitable, nt-Not tested *Specific information available on request

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